

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092523\
 Data File : VV032172.D
 Acq On : 25 Sep 2023 15:09
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 26 01:24:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 26 01:18:56 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	244990	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	236265	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	127360	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	74364	49.049	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.100%
7) Chloroethane-d5	1.529	69	64160	49.063	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.120%
11) 1,1-Dichloroethene-d2	2.060	65	32432	48.989	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.980%
21) 2-Butanone-d5	3.786	46	135017	99.041	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.040%
24) Chloroform-d	4.249	84	158330	49.904	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	4.940	65	95539	50.049	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.100%
32) Benzene-d6	4.960	84	308246	49.629	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.260%
36) 1,2-Dichloropropane-d6	5.992	67	101598	49.019	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.040%
41) Toluene-d8	7.246	98	279771	49.375	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.760%
43) trans-1,3-Dichloroprop...	7.555	79	49544	50.247	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.500%
47) 2-Hexanone-d5	8.027	63	88532	98.914	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.910%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	143560	48.700	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	11.564	152	113135	48.984	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	107632	51.882	ug/L	99
3) Chloromethane	1.217	50	112664	50.082	ug/L	99
5) Vinyl chloride	1.281	62	113641	51.285	ug/L	98
6) Bromomethane	1.484	94	68655	54.606	ug/L	99
8) Chloroethane	1.548	64	69118	50.109	ug/L	98
9) Trichlorofluoromethane	1.712	101	145622	51.202	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	89567	52.227	ug/L	100
12) 1,1-Dichloroethene	2.069	96	82025	51.693	ug/L	97
13) Acetone	2.111	43	139497	109.381	ug/L	99
14) Carbon disulfide	2.240	76	260902	51.378	ug/L	100
15) Methyl Acetate	2.371	43	111534	49.020	ug/L	100
16) Methylene chloride	2.445	84	99371	49.601	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	91811	51.328	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	303462	50.709	ug/L	100
19) 1,1-Dichloroethane	3.111	63	179006	51.039	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	104080	51.678	ug/L	99
22) 2-Butanone	3.863	43	173632	101.409	ug/L	99
23) Bromochloromethane	4.149	128	51101	50.658	ug/L	97
25) Chloroform	4.278	83	173054	50.547	ug/L	100

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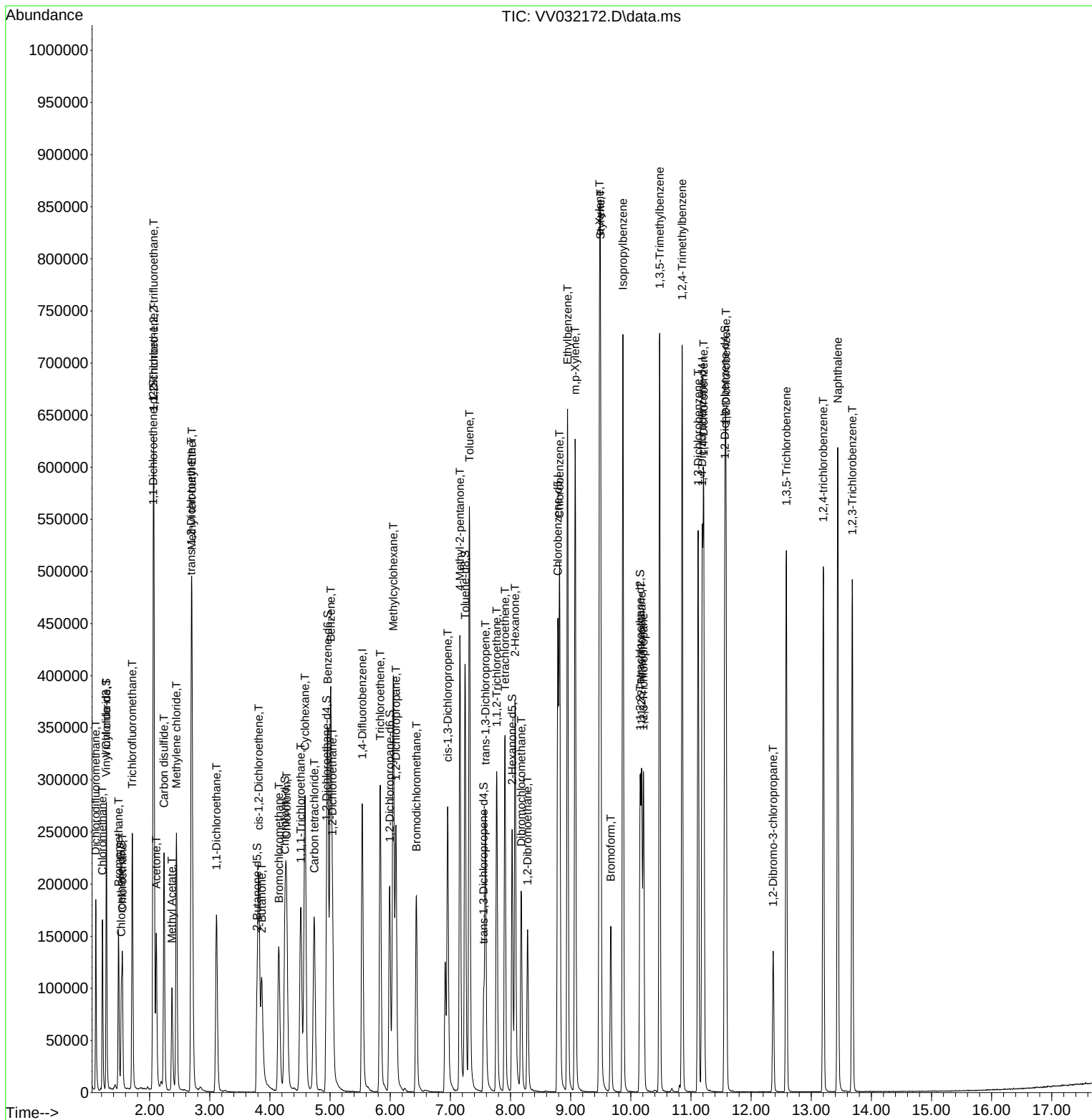
Instrument :
 MSVOA_V
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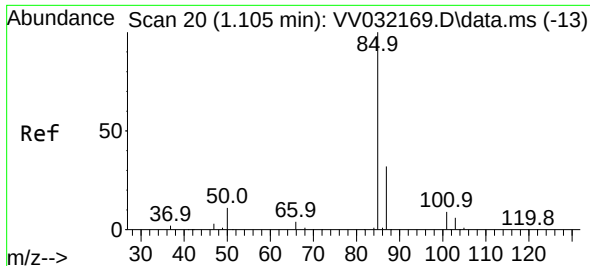
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	129360	49.991	ug/L	100
29) Cyclohexane	4.584	56	167990	50.932	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	148151	50.287	ug/L	99
31) Carbon tetrachloride	4.738	117	128566	50.531	ug/L	100
33) Benzene	5.011	78	384674	51.041	ug/L	100
34) Trichloroethene	5.834	95	106116	51.143	ug/L	98
35) Methylcyclohexane	6.053	83	173919	52.427	ug/L	98
37) 1,2-Dichloropropane	6.095	63	106957	51.721	ug/L	99
38) Bromodichloromethane	6.436	83	133070	51.190	ug/L	98
39) cis-1,3-Dichloropropene	6.956	75	173126	52.791	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	306425	99.422	ug/L	100
42) Toluene	7.317	91	410896	51.066	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	155364	51.732	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	98611	49.991	ug/L	98
46) Tetrachloroethene	7.908	164	77417	51.345	ug/L	99
48) 2-Hexanone	8.075	43	243127	100.980	ug/L	99
49) Dibromochloromethane	8.178	129	99477	50.720	ug/L	99
50) 1,2-Dibromoethane	8.284	107	105612	50.281	ug/L	98
51) Chlorobenzene	8.815	112	264161	50.882	ug/L	98
52) Ethylbenzene	8.950	91	458716	51.037	ug/L	99
53) m,p-Xylene	9.075	106	174873	52.221	ug/L	99
54) o-Xylene	9.480	106	167184	50.679	ug/L	100
55) Styrene	9.497	104	293068	52.074	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.181	83	150957	49.113	ug/L	99
59) Bromoform	9.667	173	70589	49.878	ug/L	99
60) Isopropylbenzene	9.870	105	460171	51.913	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	122078	49.309	ug/L	98
62) 1,3,5-Trimethylbenzene	10.480	105	378958	52.034	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	373098	52.083	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	211893	51.131	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	214102	51.145	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	207147	50.818	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	33012	48.293	ug/L	98
69) 1,3,5-Trichlorobenzene	12.586	180	153028	50.997	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	146072	51.761	ug/L	100
71) Naphthalene	13.442	128	454333	48.873	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	141692	50.534	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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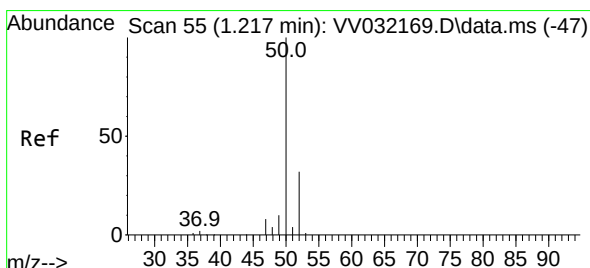
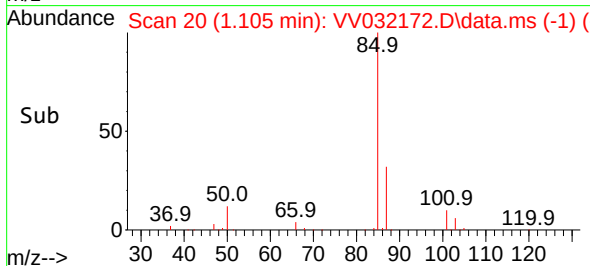
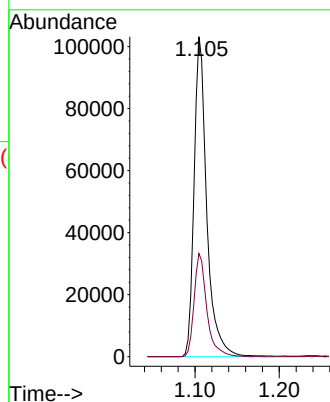
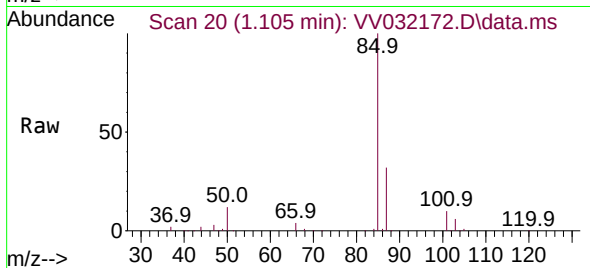




#2
 Dichlorodifluoromethane
 Concen: 51.882 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032172.D
 Acq: 25 Sep 2023 15:09

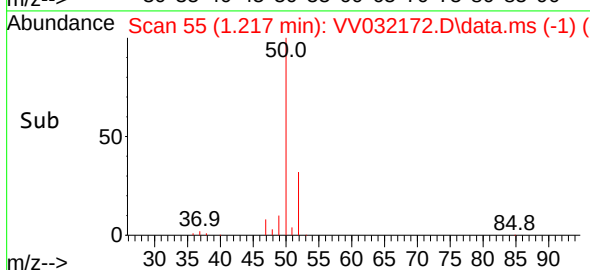
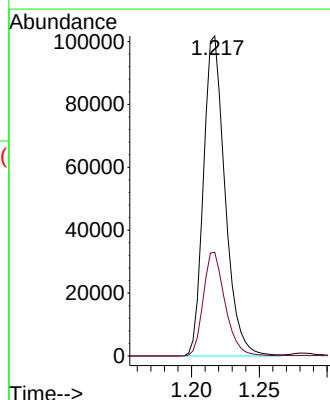
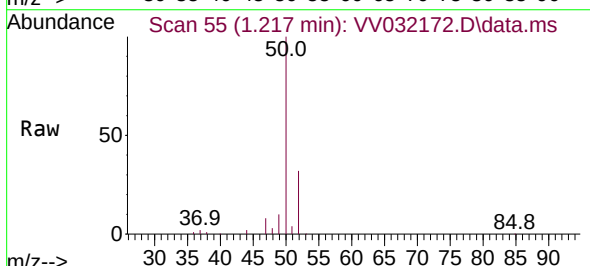
Instrument :
 MSVOA_V
 ClientSampleId :

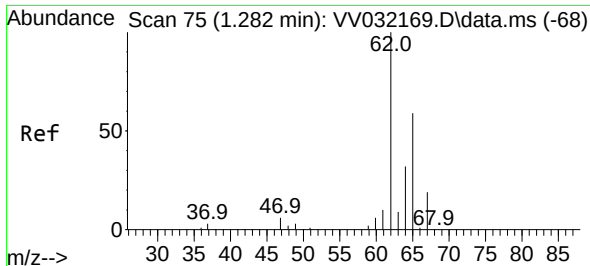
Tgt Ion: 85 Resp: 107632
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.4 38.0



#3
 Chloromethane
 Concen: 50.082 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV032172.D
 Acq: 25 Sep 2023 15:09

Tgt Ion: 50 Resp: 112664
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.4 41.6

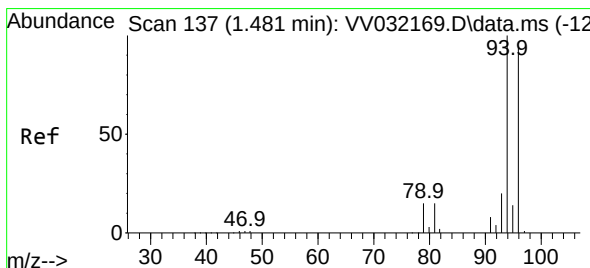
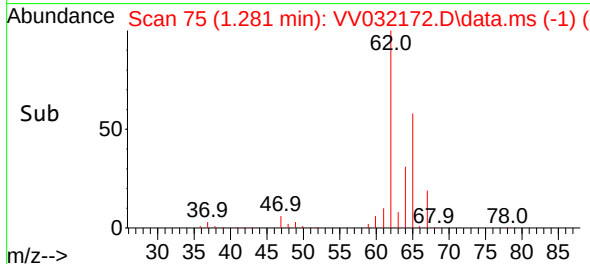
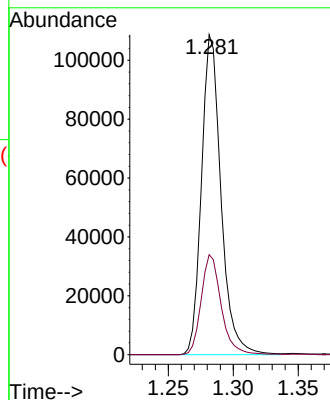
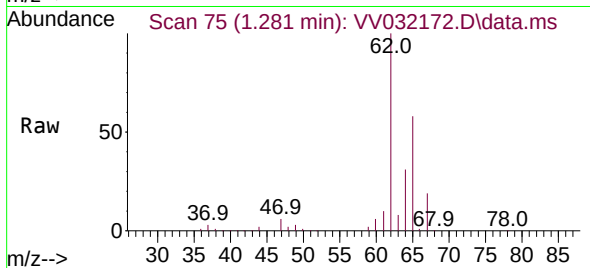




#5
 Vinyl chloride
 Concen: 51.285 ug/L
 RT: 1.281 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV032172.D
 Acq: 25 Sep 2023 15:09

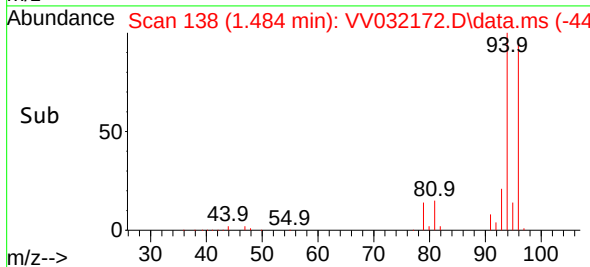
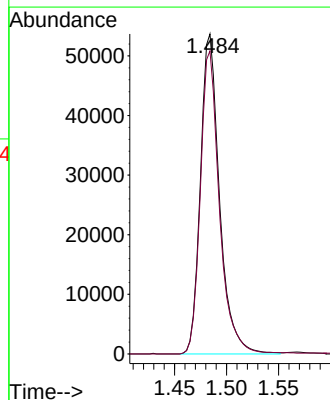
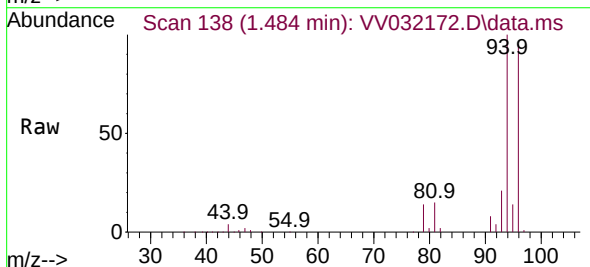
Instrument :
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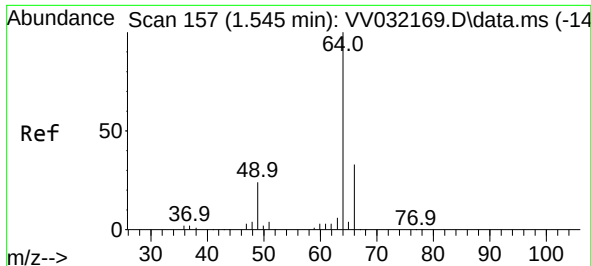
Tgt Ion: 62 Resp: 113641
 Ion Ratio Lower Upper
 62 100
 64 31.2 22.5 41.9



#6
 Bromomethane
 Concen: 54.606 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.003 min
 Lab File: VV032172.D
 Acq: 25 Sep 2023 15:09

Tgt Ion: 94 Resp: 68655
 Ion Ratio Lower Upper
 94 100
 96 94.7 65.7 122.1

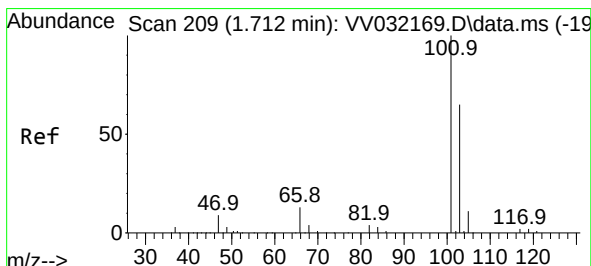
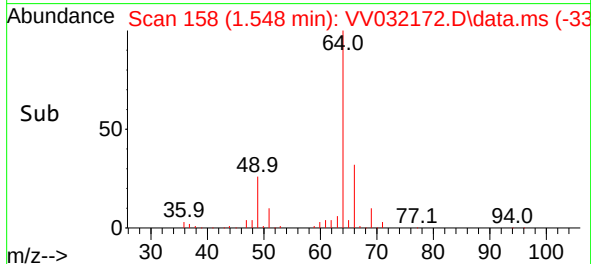
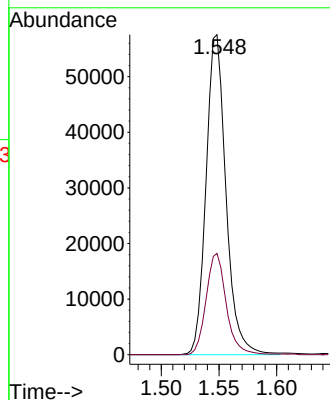
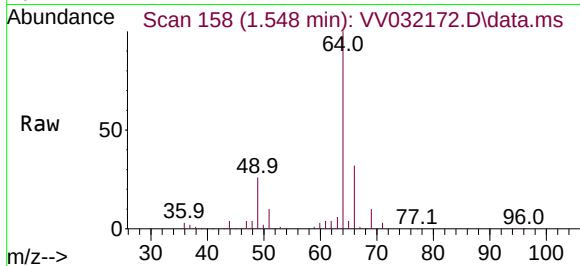




#8
Chloroethane
Concen: 50.109 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

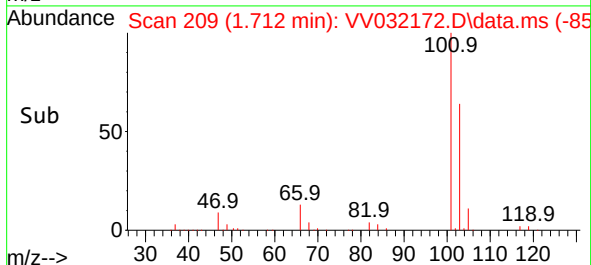
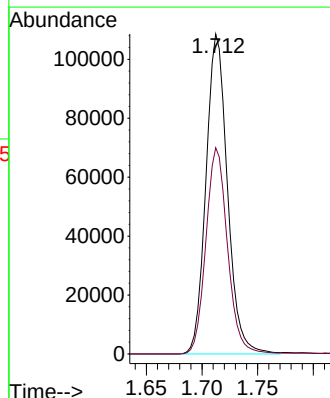
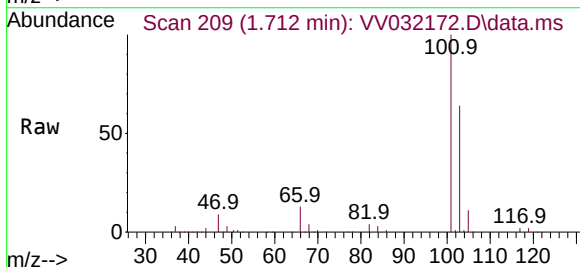
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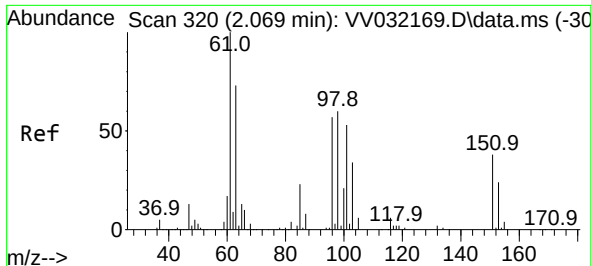
Tgt Ion: 64 Resp: 69118
Ion Ratio Lower Upper
64 100
66 31.7 23.0 42.6



#9
Trichlorofluoromethane
Concen: 51.202 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

Tgt Ion:101 Resp: 145622
Ion Ratio Lower Upper
101 100
103 65.0 52.1 78.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 52.227 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

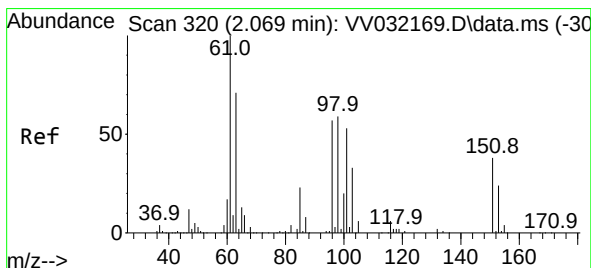
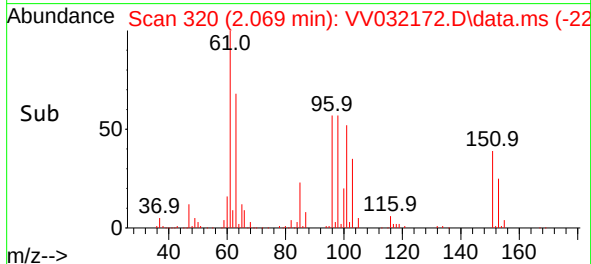
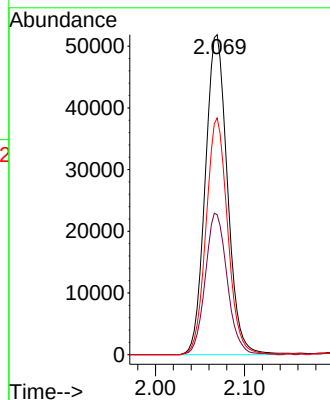
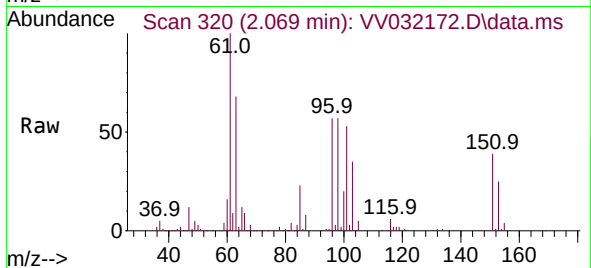
Tgt Ion:101 Resp: 89567

Ion Ratio Lower Upper

101 100

85 44.0 35.4 53.2

151 72.2 57.6 86.4



#12

1,1-Dichloroethene

Concen: 51.693 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

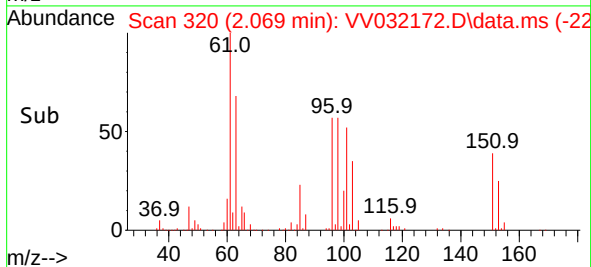
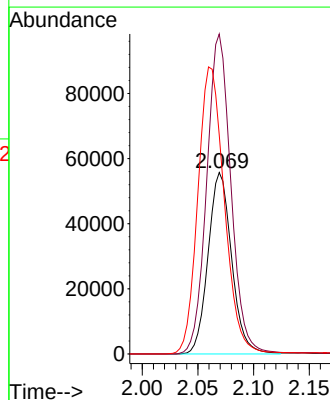
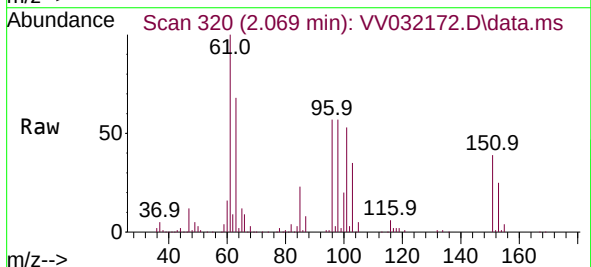
Tgt Ion: 96 Resp: 82025

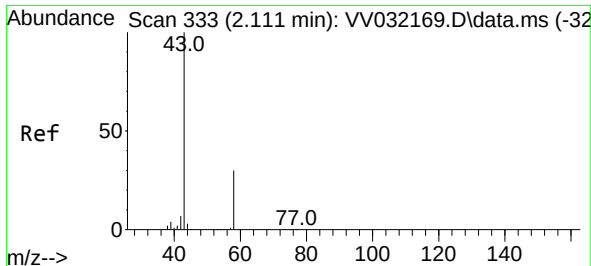
Ion Ratio Lower Upper

96 100

61 176.3 123.7 229.7

63 120.7 89.9 167.0





#13

Acetone

Concen: 109.381 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

Instrument :

MSVOA_V

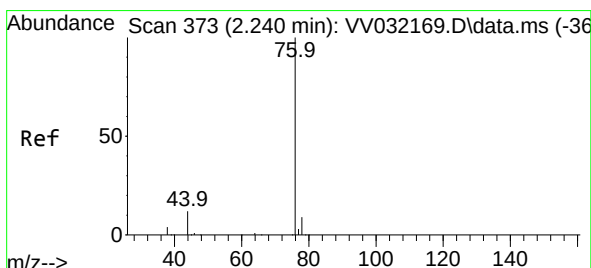
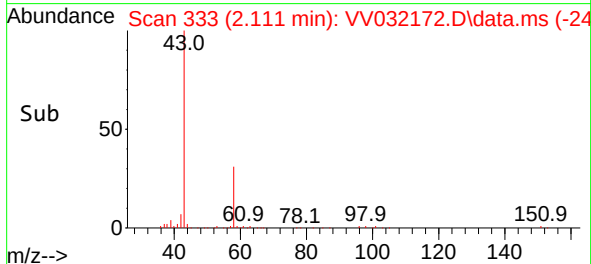
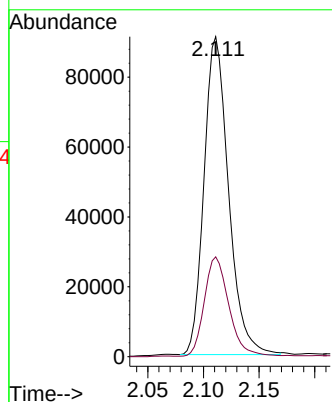
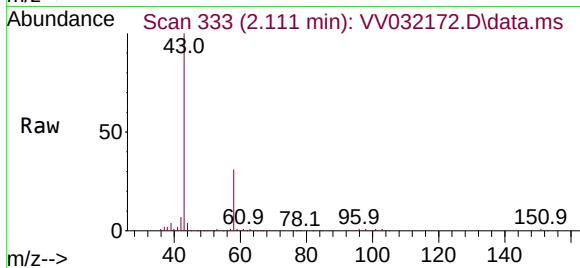
ClientSampleId :

Tgt Ion: 43 Resp: 139497

Ion Ratio Lower Upper

43 100

58 31.2 0.0 61.4



#14

Carbon disulfide

Concen: 51.378 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV032172.D

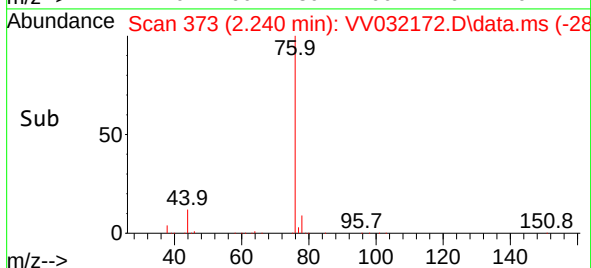
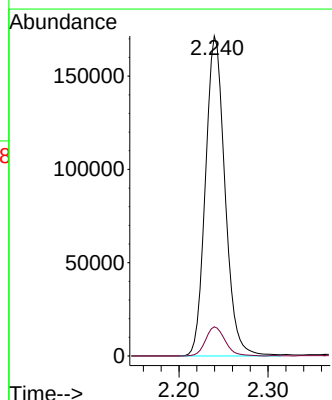
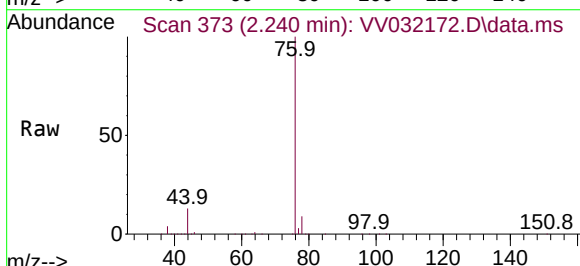
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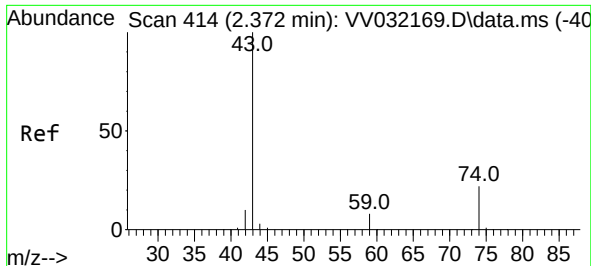
Tgt Ion: 76 Resp: 260902

Ion Ratio Lower Upper

76 100

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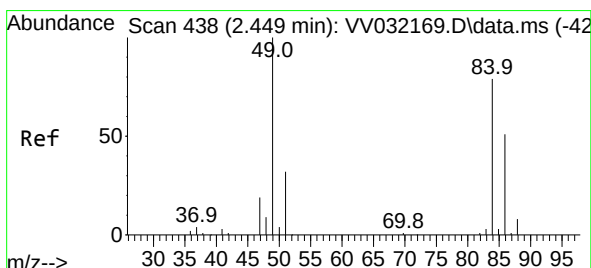
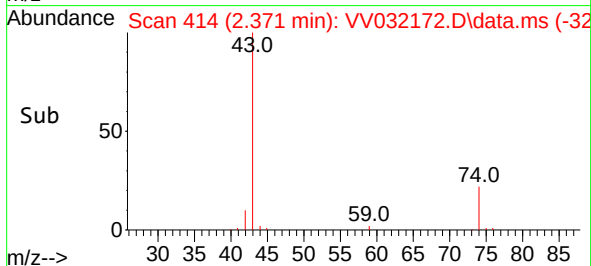
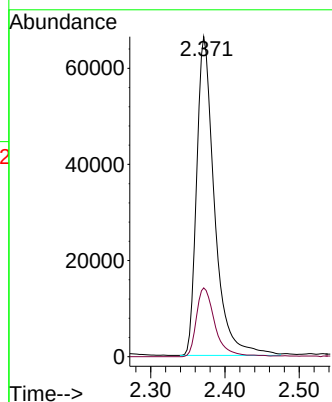
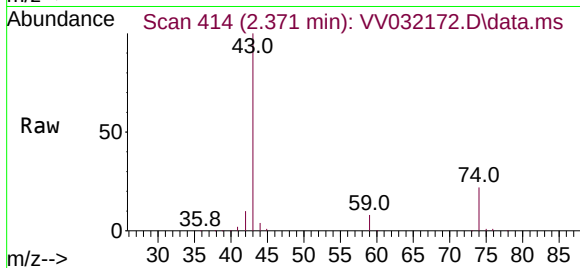




#15
Methyl Acetate
Concen: 49.020 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

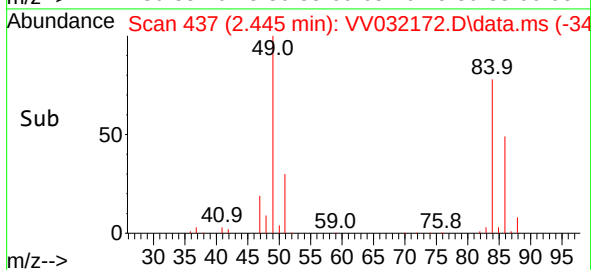
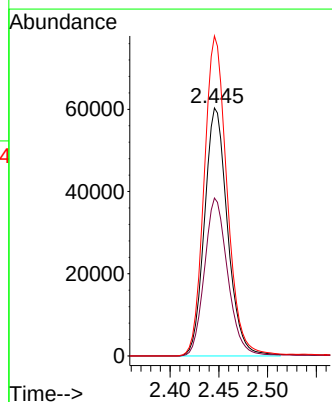
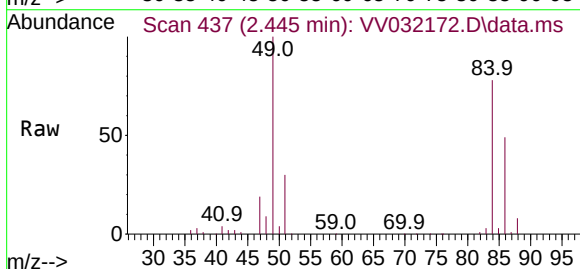
Instrument :
MSVOA_V
ClientSampleId :

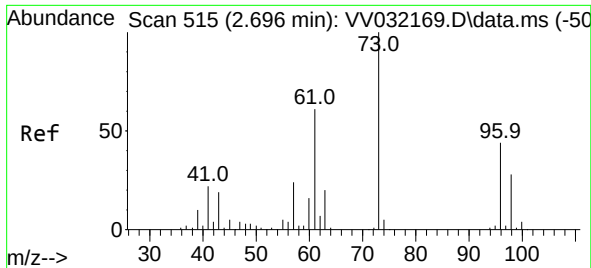
Tgt Ion: 43 Resp: 111534
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.8



#16
Methylene chloride
Concen: 49.601 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

Tgt Ion: 84 Resp: 99371
Ion Ratio Lower Upper
84 100
86 63.6 45.4 84.4
49 129.0 88.5 164.4

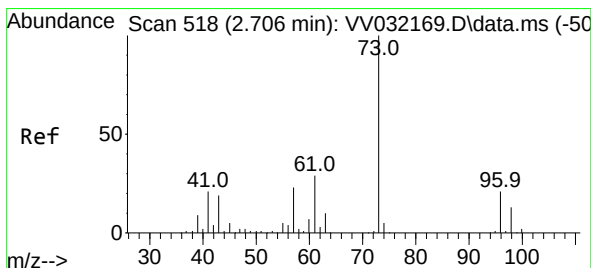
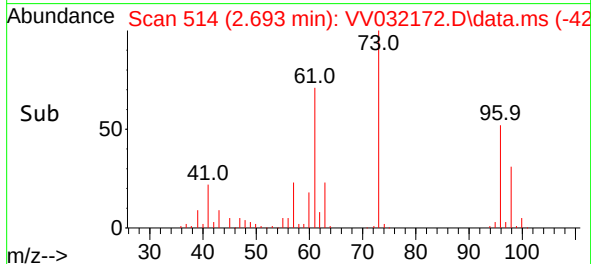
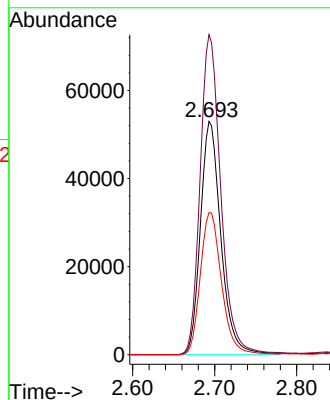
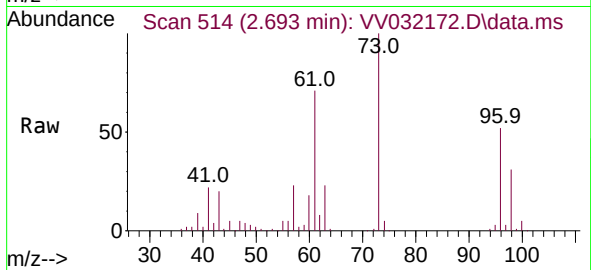




#17
trans-1,2-Dichloroethene
Concen: 51.328 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.003 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

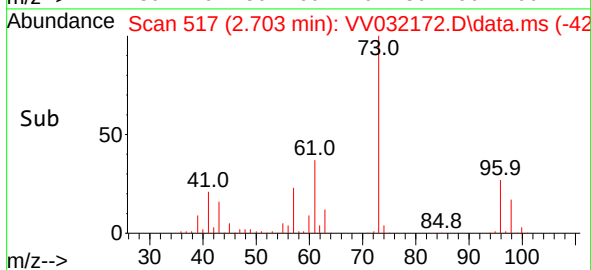
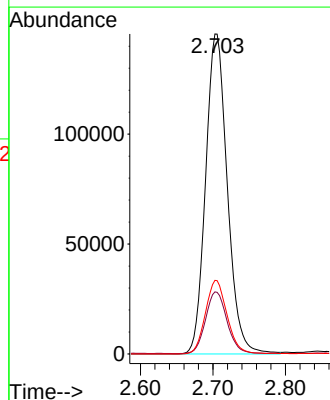
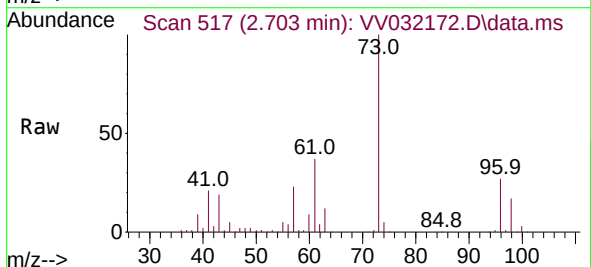
Instrument :
MSVOA_V
ClientSampleId :

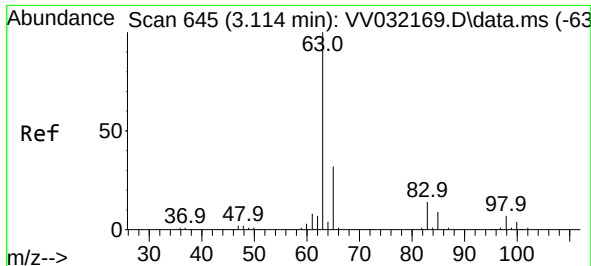
Tgt Ion: 96 Resp: 91811
Ion Ratio Lower Upper
96 100
61 137.2 97.4 180.8
98 60.9 45.2 84.0



#18
Methyl tert-butyl Ether
Concen: 50.709 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

Tgt Ion: 73 Resp: 303462
Ion Ratio Lower Upper
73 100
43 19.1 15.3 22.9
57 22.9 18.6 28.0





#19

1,1-Dichloroethane

Concen: 51.039 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

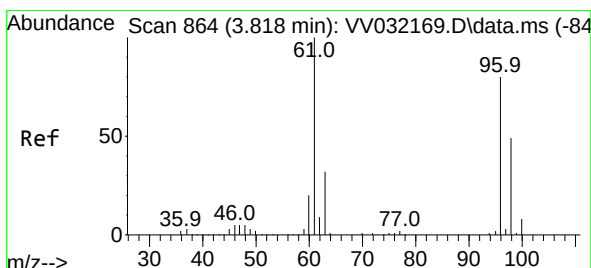
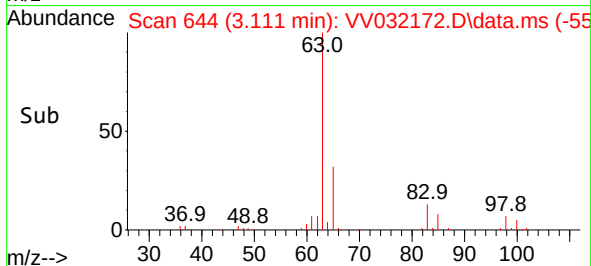
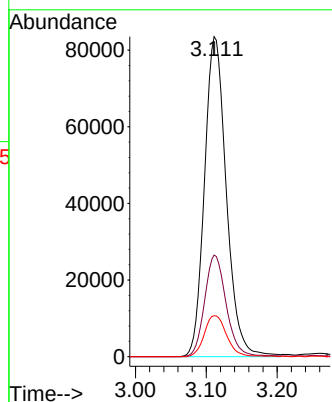
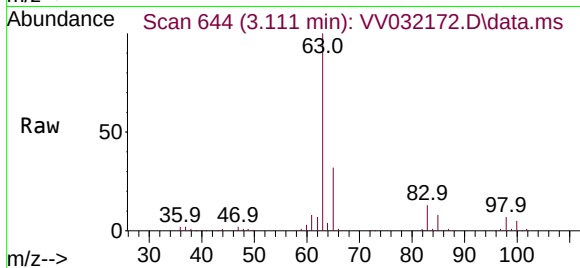
Tgt Ion: 63 Resp: 179006

Ion Ratio Lower Upper

63 100

65 31.8 22.7 42.3

83 12.8 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 51.678 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.003 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

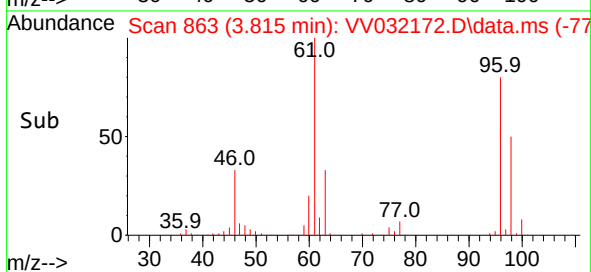
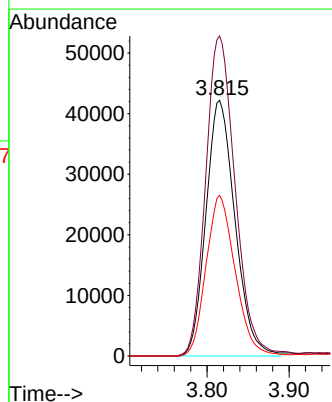
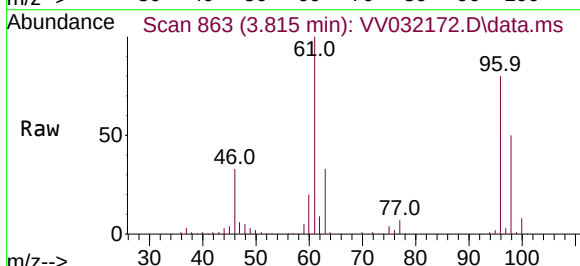
Tgt Ion: 96 Resp: 104080

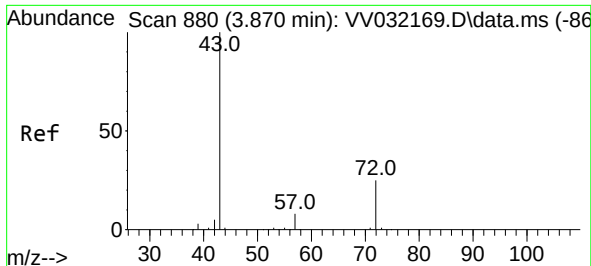
Ion Ratio Lower Upper

96 100

61 125.2 88.3 164.1

98 62.9 43.3 80.3

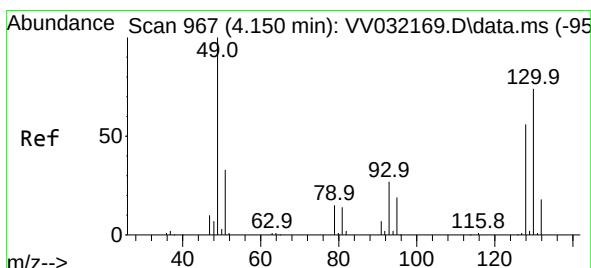
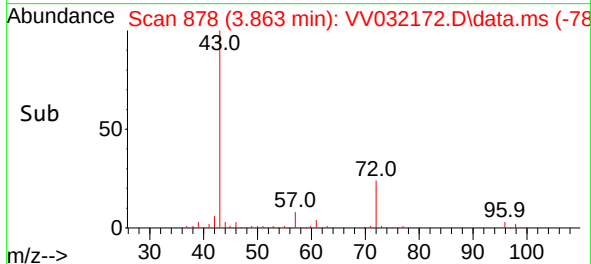
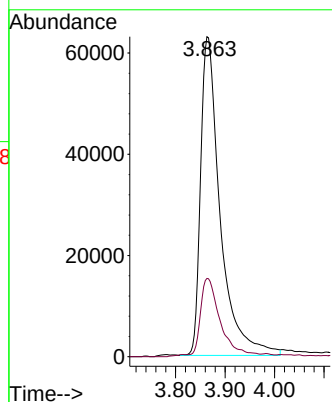
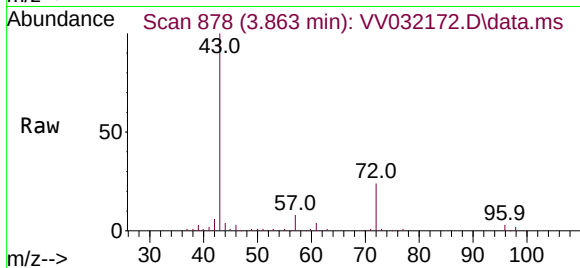




#22
2-Butanone
Concen: 101.409 ug/L
RT: 3.863 min Scan# 81
Delta R.T. -0.007 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

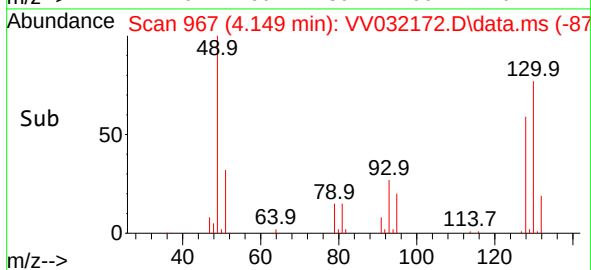
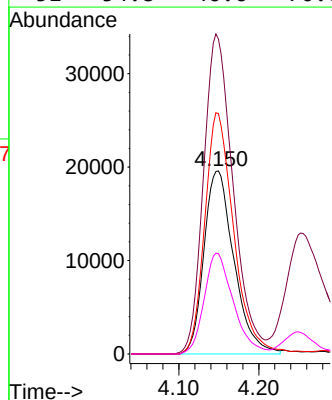
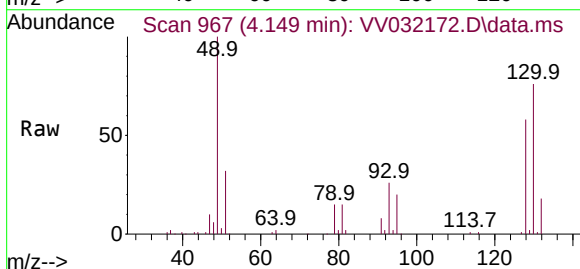
Instrument :
MSVOA_V
ClientSampleId :

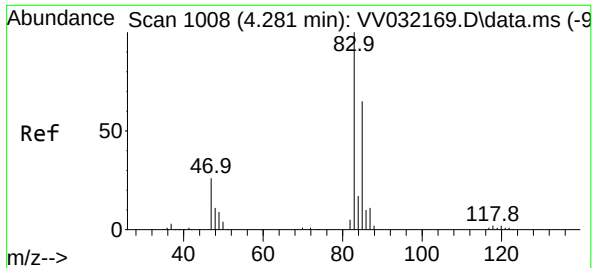
Tgt Ion: 43 Resp: 173632
Ion Ratio Lower Upper
43 100
72 23.4 12.0 36.0



#23
Bromochloromethane
Concen: 50.658 ug/L
RT: 4.149 min Scan# 967
Delta R.T. -0.000 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

Tgt Ion:128 Resp: 51101
Ion Ratio Lower Upper
128 100
49 172.0 125.0 232.2
130 131.3 92.3 171.5
51 54.8 46.6 70.0

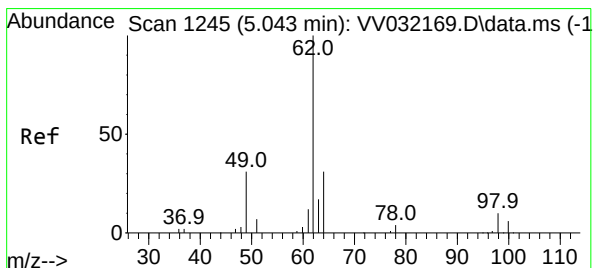
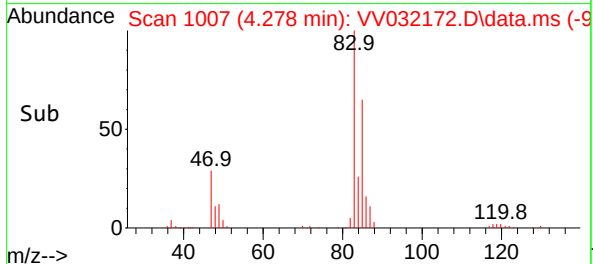
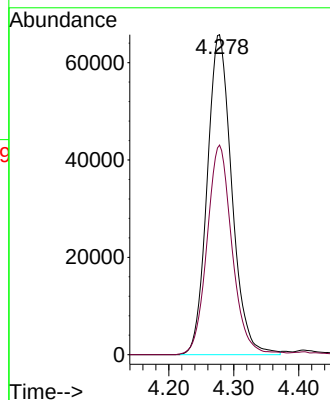
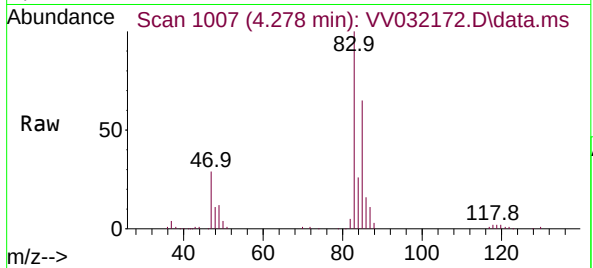




#25
Chloroform
Concen: 50.547 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. -0.003 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

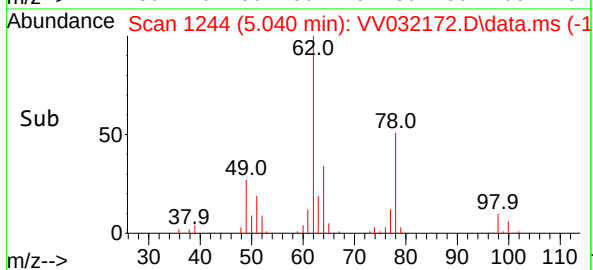
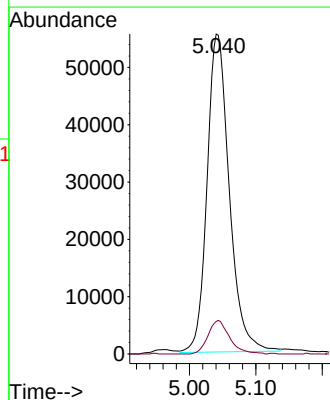
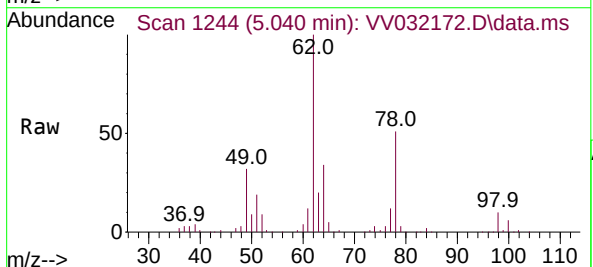
Instrument :
MSVOA_V
ClientSampleId :

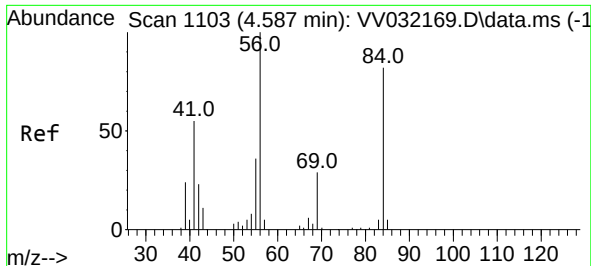
Tgt Ion: 83 Resp: 173054
Ion Ratio Lower Upper
83 100
85 65.5 45.6 84.6



#27
1,2-Dichloroethane
Concen: 49.991 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. -0.003 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

Tgt Ion: 62 Resp: 129360
Ion Ratio Lower Upper
62 100
98 10.1 8.1 12.1





#29

Cyclohexane

Concen: 50.932 ug/L

RT: 4.584 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

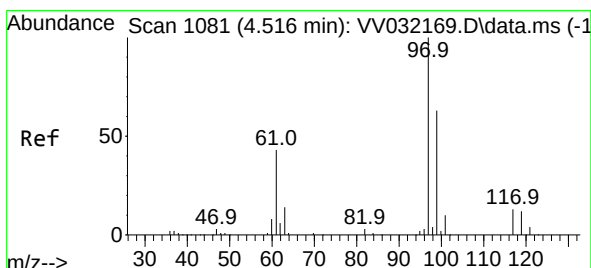
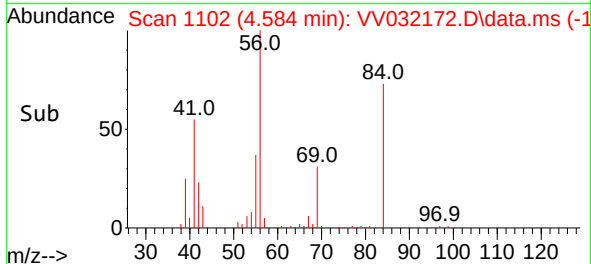
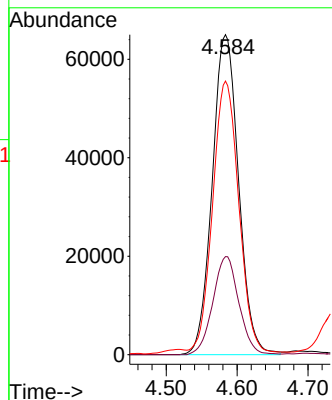
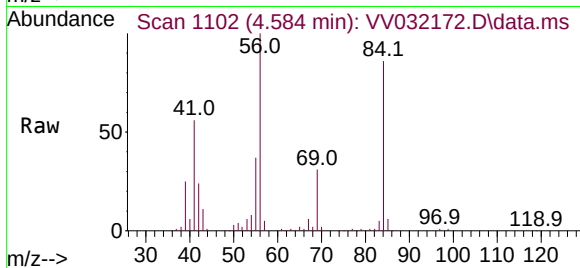
Tgt Ion: 56 Resp: 167990

Ion Ratio Lower Upper

56 100

69 30.3 23.3 34.9

84 84.0 66.2 99.2



#30

1,1,1-Trichloroethane

Concen: 50.287 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.003 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

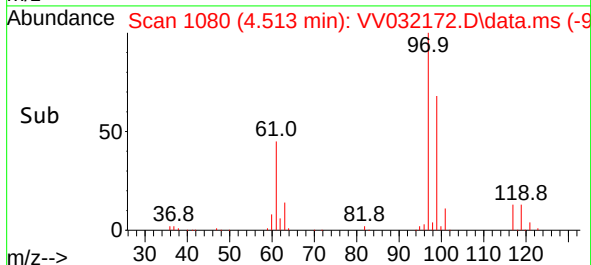
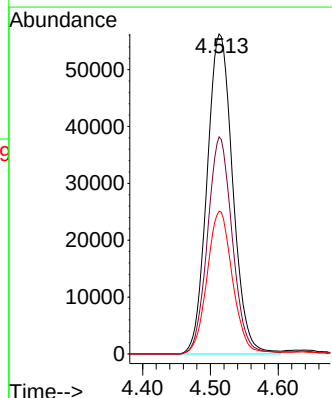
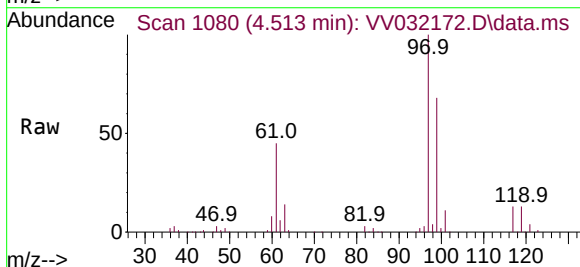
Tgt Ion: 97 Resp: 148151

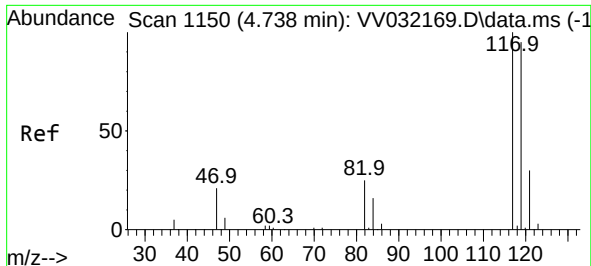
Ion Ratio Lower Upper

97 100

99 65.2 51.3 76.9

61 44.1 35.0 52.6

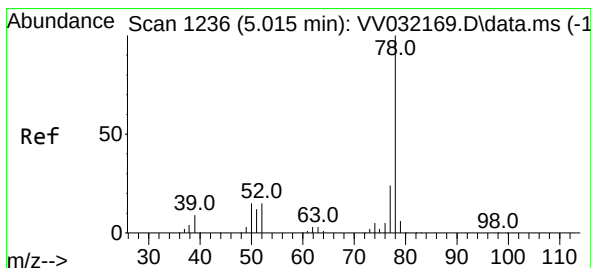
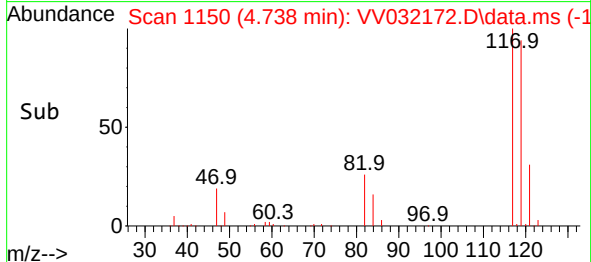
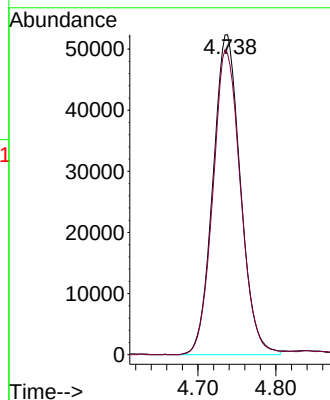
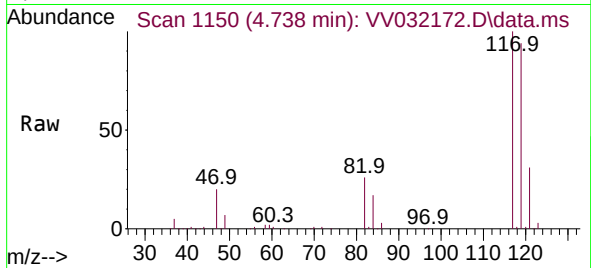




#31
Carbon tetrachloride
Concen: 50.531 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. -0.000 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

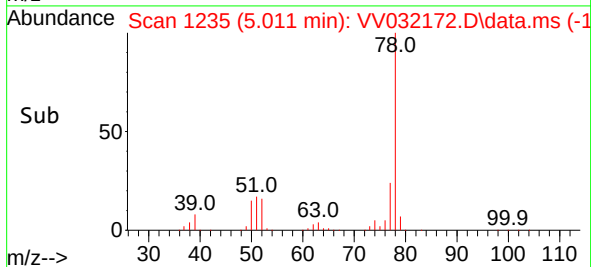
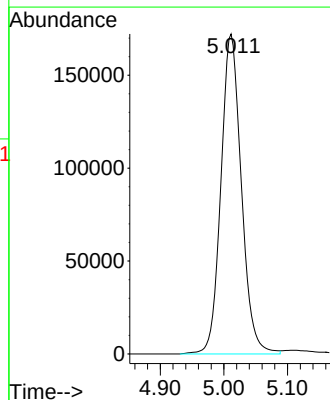
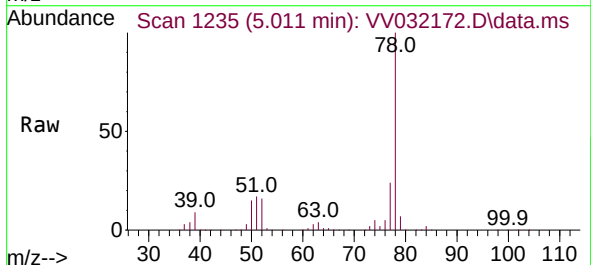
Instrument :
MSVOA_V
ClientSampleId :

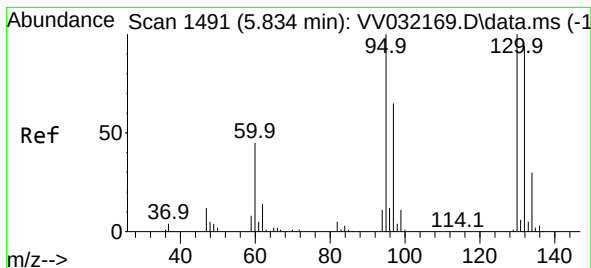
Tgt Ion:117 Resp: 128566
Ion Ratio Lower Upper
117 100
119 95.8 76.6 115.0



#33
Benzene
Concen: 51.041 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.003 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

Tgt Ion: 78 Resp: 384674





#34

Trichloroethene

Concen: 51.143 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 106116

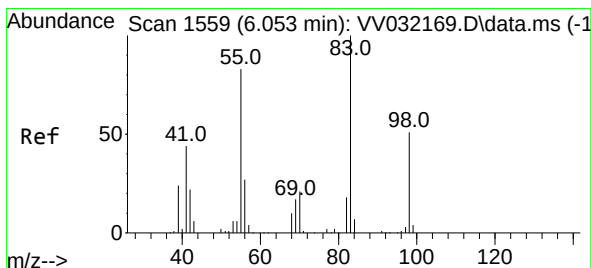
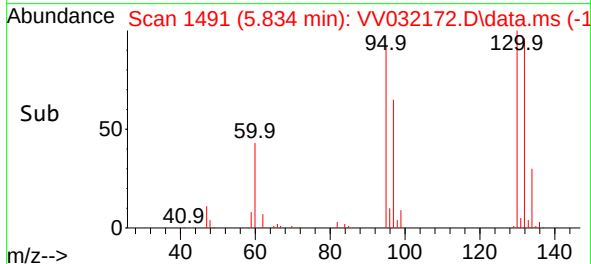
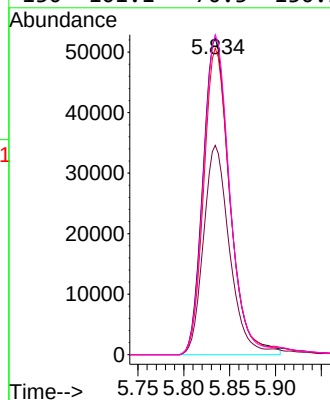
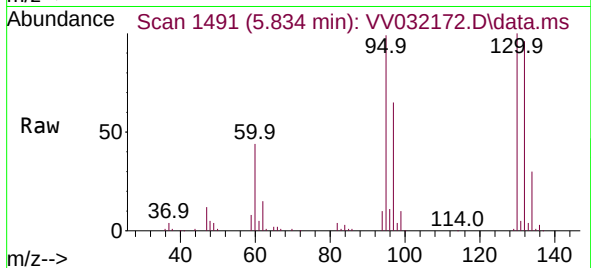
Ion Ratio Lower Upper

95 100

97 66.1 45.4 84.4

132 96.8 66.1 122.7

130 101.1 70.3 130.5



#35

Methylcyclohexane

Concen: 52.427 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

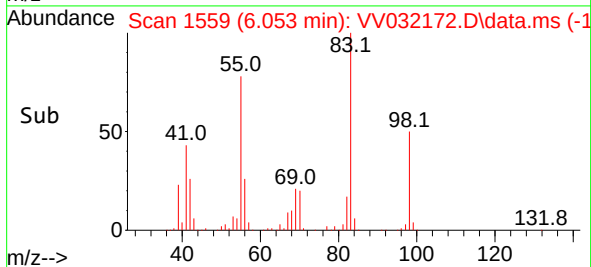
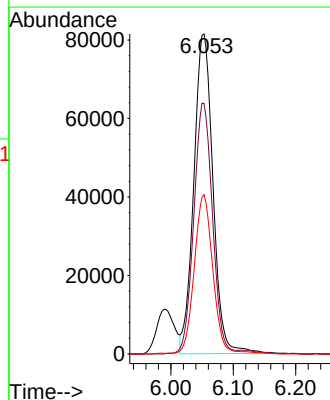
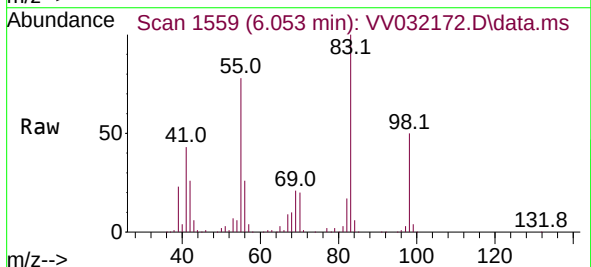
Tgt Ion: 83 Resp: 173919

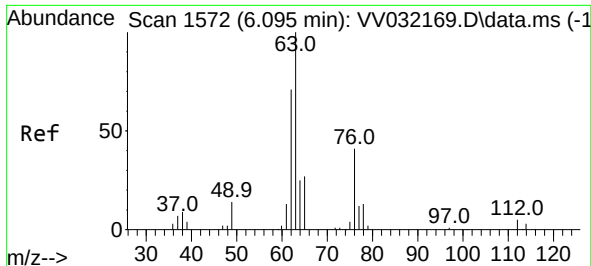
Ion Ratio Lower Upper

83 100

55 76.7 62.9 94.3

98 47.7 38.9 58.3





#37

1,2-Dichloropropane

Concen: 51.721 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

Instrument :

MSVOA_V

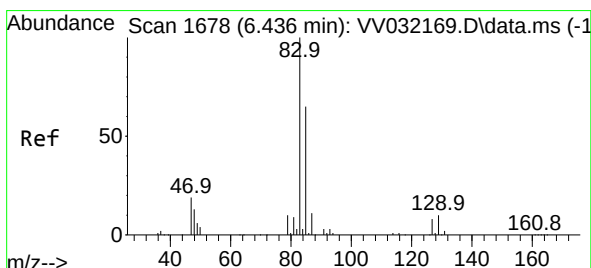
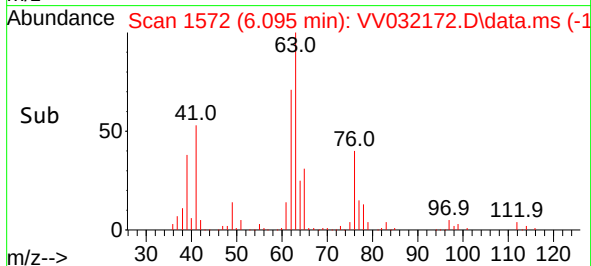
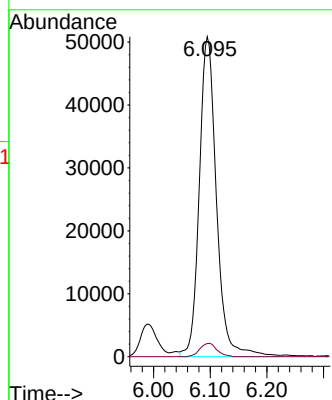
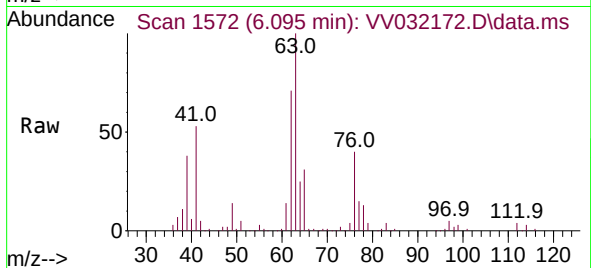
ClientSampleId :

Tgt Ion: 63 Resp: 106957

Ion Ratio Lower Upper

63 100

112 4.1 3.7 5.5



#38

Bromodichloromethane

Concen: 51.190 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

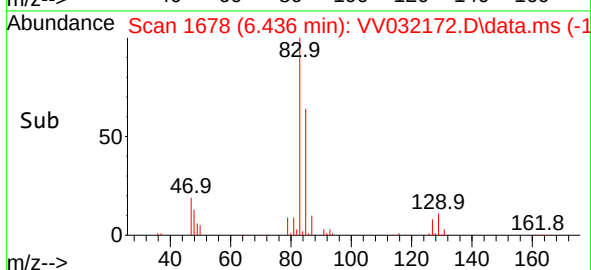
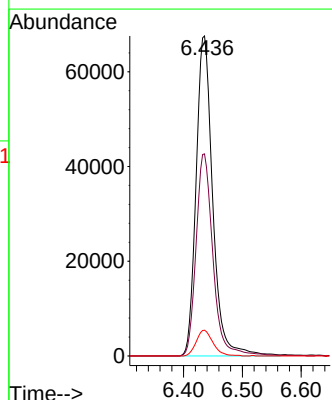
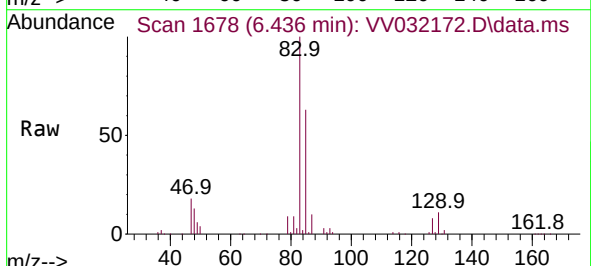
Tgt Ion: 83 Resp: 133070

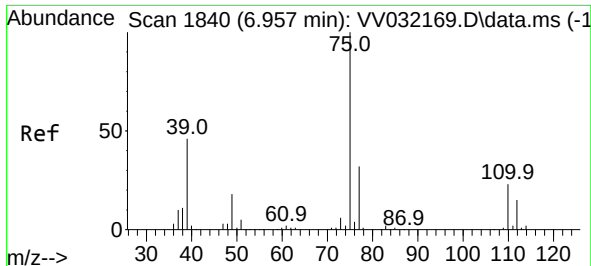
Ion Ratio Lower Upper

83 100

85 63.2 45.1 83.9

127 8.1 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 52.791 ug/L

RT: 6.956 min Scan# 1840

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

Instrument :

MSVOA_V

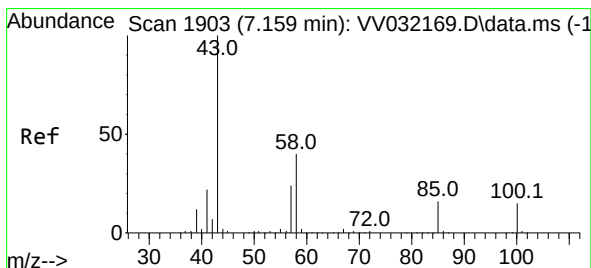
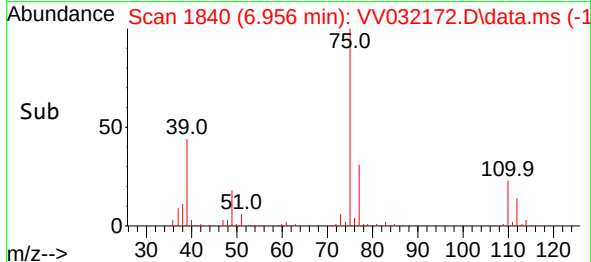
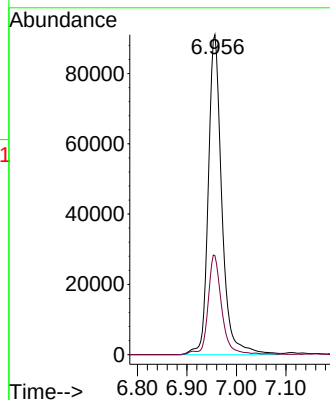
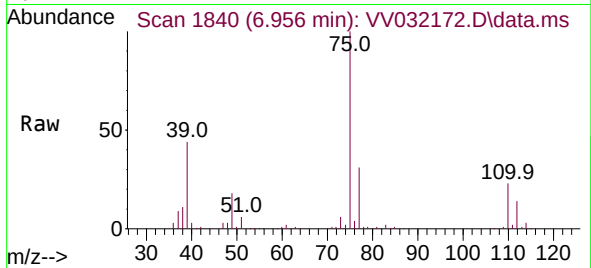
ClientSampleId :

Tgt Ion: 75 Resp: 173126

Ion Ratio Lower Upper

75 100

77 31.0 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 99.422 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

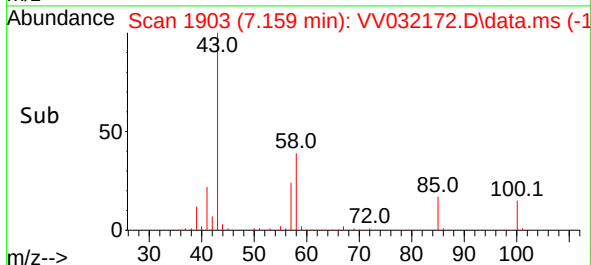
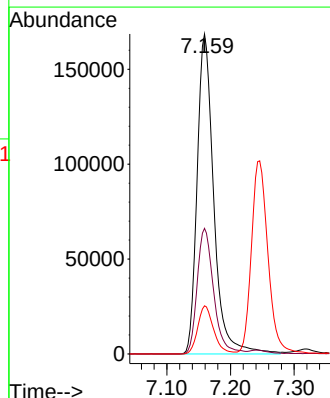
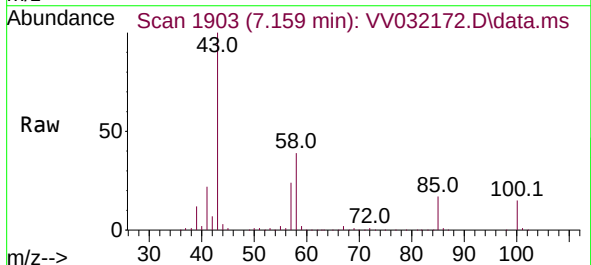
Tgt Ion: 43 Resp: 306425

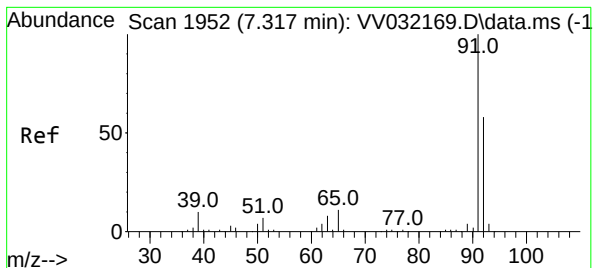
Ion Ratio Lower Upper

43 100

58 38.9 31.0 46.6

100 14.4 11.6 17.4





#42

Toluene

Concen: 51.066 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

Instrument :

MSVOA_V

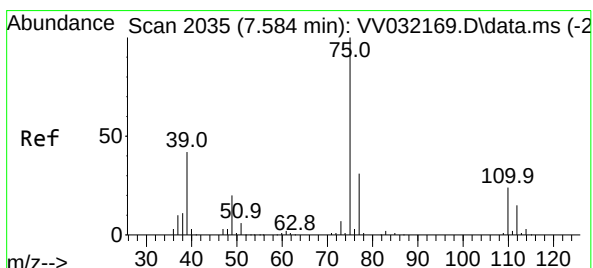
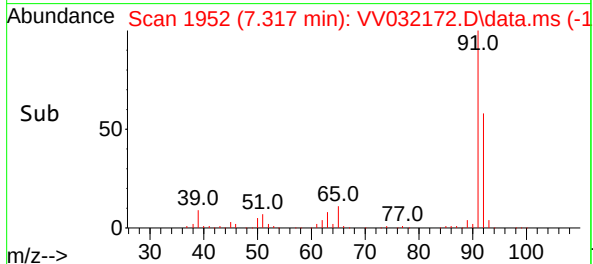
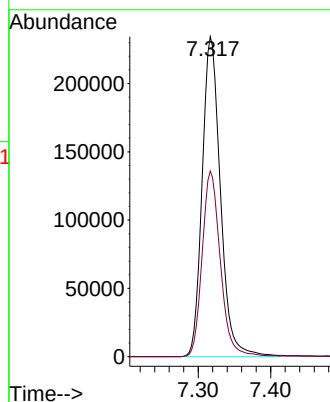
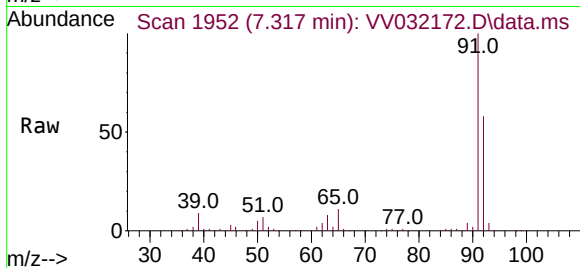
ClientSampleId :

Tgt Ion: 91 Resp: 410896

Ion Ratio Lower Upper

91 100

92 58.0 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 51.732 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV032172.D

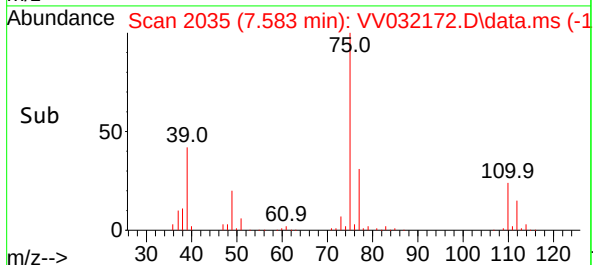
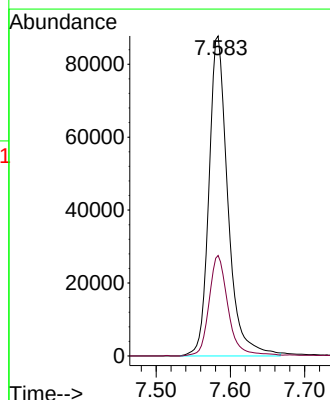
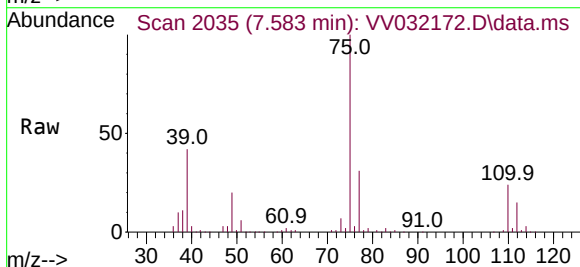
Acq: 25 Sep 2023 15:09

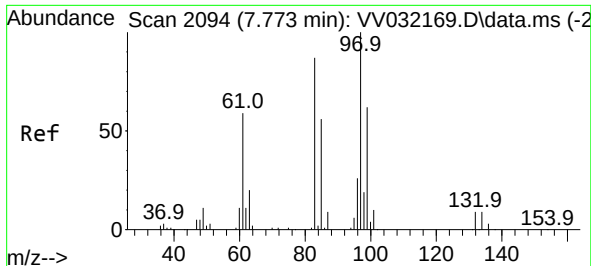
Tgt Ion: 75 Resp: 155364

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 49.991 ug/L

RT: 7.770 min Scan# 2094

Delta R.T. -0.003 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 98611

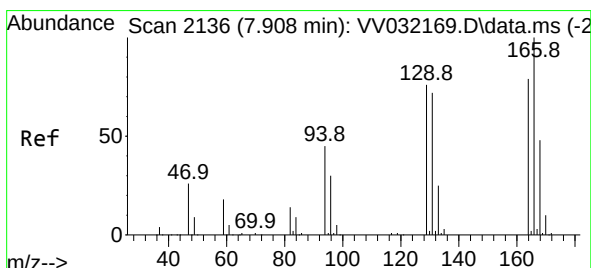
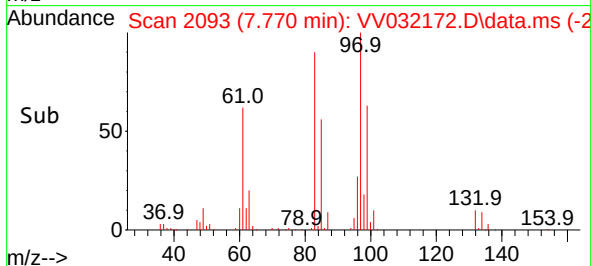
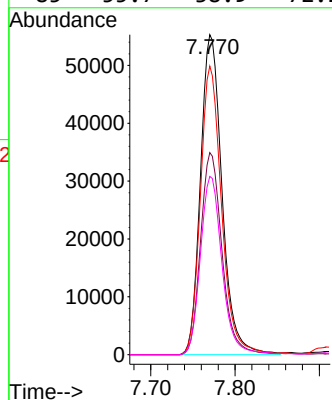
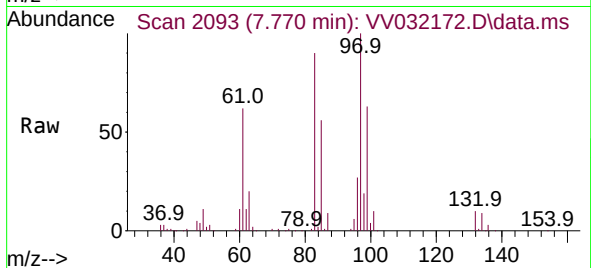
Ion Ratio Lower Upper

97 100

99 63.2 43.3 80.3

83 90.2 60.8 113.0

85 55.7 38.9 72.2



#46

Tetrachloroethene

Concen: 51.345 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

Tgt Ion:164 Resp: 77417

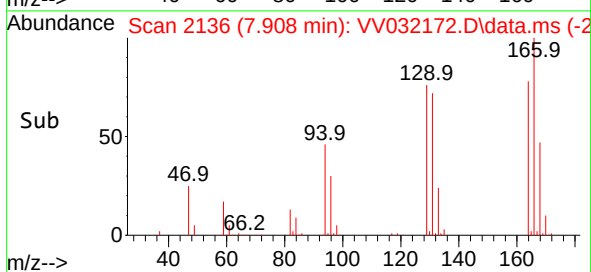
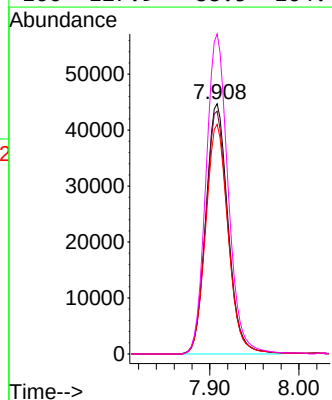
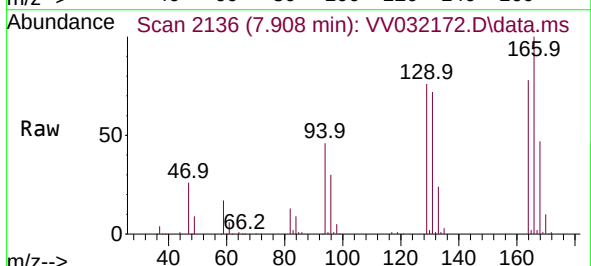
Ion Ratio Lower Upper

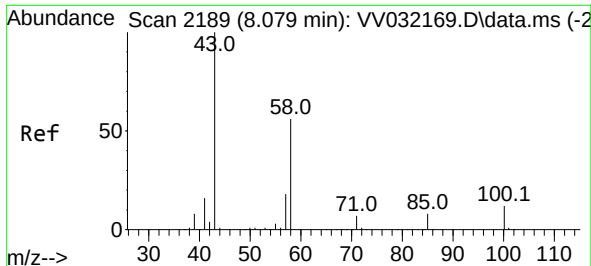
164 100

129 97.0 67.5 125.3

131 91.8 63.8 118.4

166 127.9 88.5 164.4

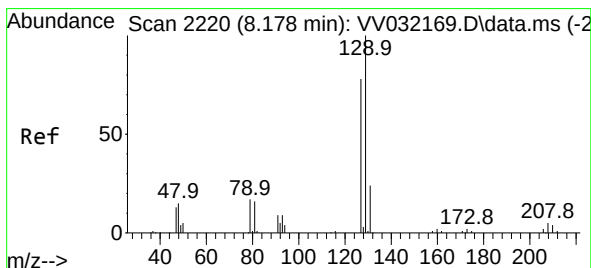
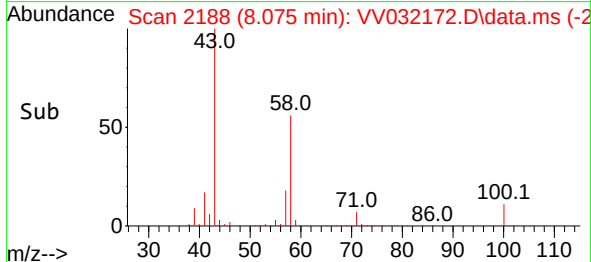
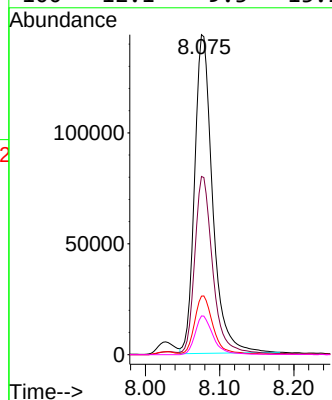
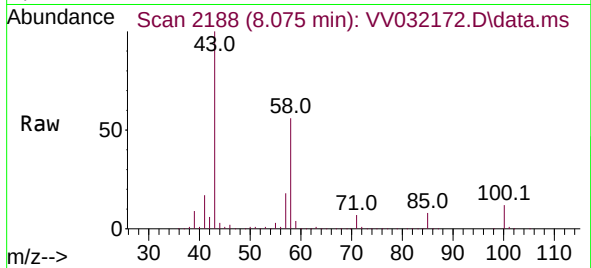




#48
2-Hexanone
Concen: 100.980 ug/L
RT: 8.075 min Scan# 2189
Delta R.T. -0.003 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

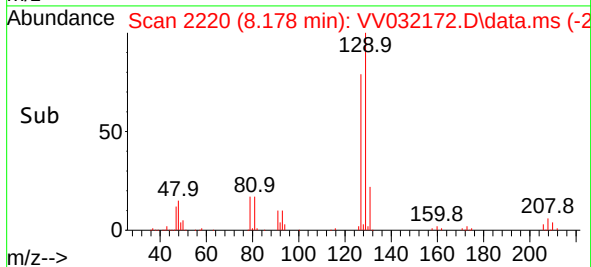
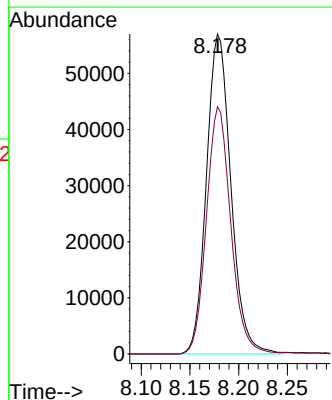
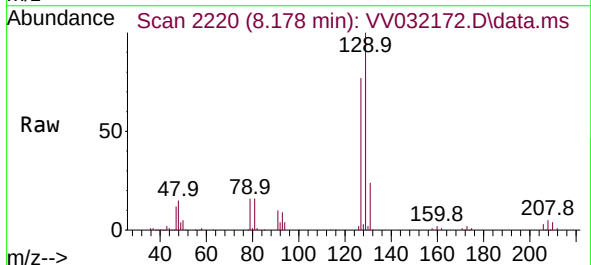
Instrument :
MSVOA_V
ClientSampleId :

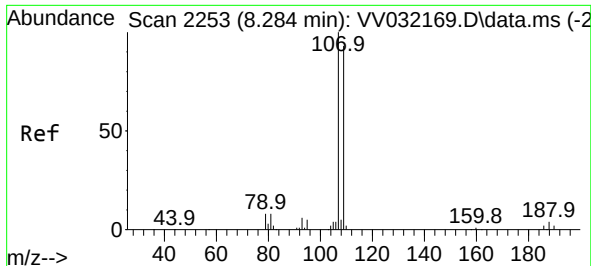
Tgt Ion: 43 Resp: 243127
Ion Ratio Lower Upper
43 100
58 55.0 44.5 66.7
57 18.2 13.9 20.9
100 12.1 9.3 13.9



#49
Dibromochloromethane
Concen: 50.720 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.000 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

Tgt Ion: 129 Resp: 99477
Ion Ratio Lower Upper
129 100
127 77.2 54.9 101.9





#50

1,2-Dibromoethane

Concen: 50.281 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV032172.D

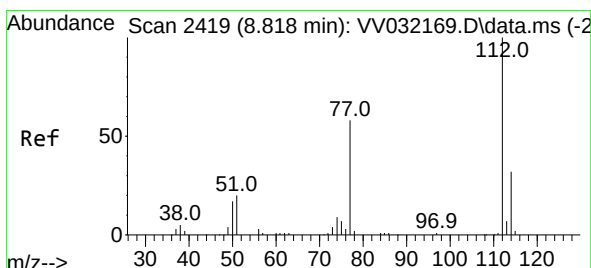
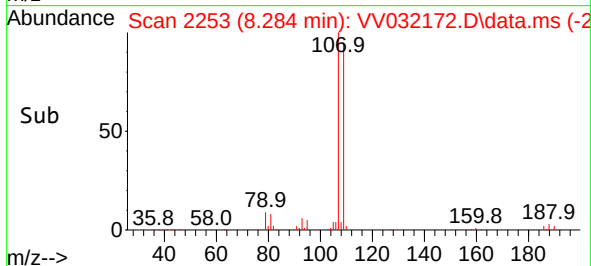
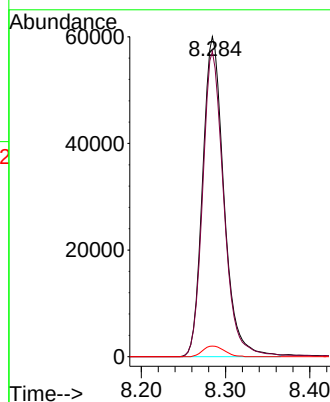
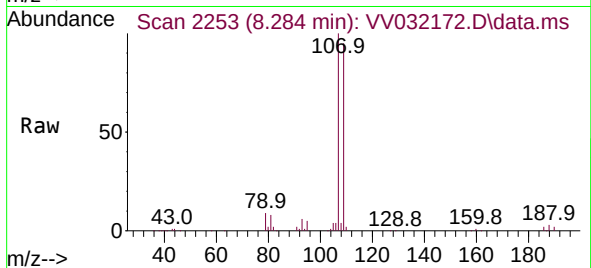
Acq: 25 Sep 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	105612
Ion	Ratio	Lower	Upper
107	100		
109	95.4	65.2	121.2
188	3.3	3.0	4.6



#51

Chlorobenzene

Concen: 50.882 ug/L

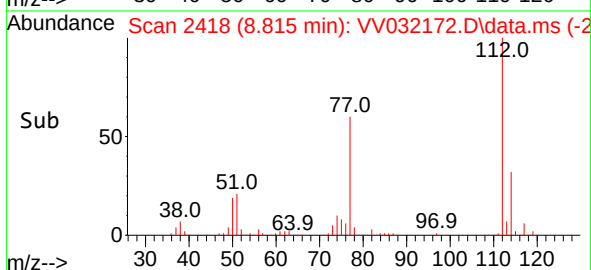
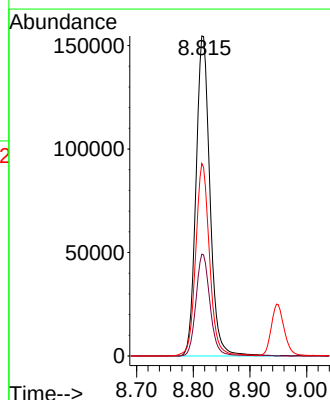
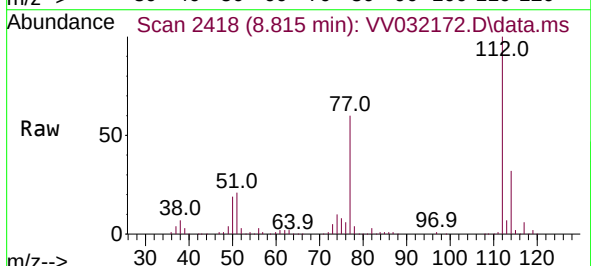
RT: 8.815 min Scan# 2418

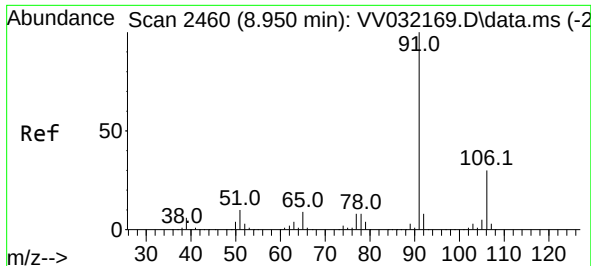
Delta R.T. -0.003 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

Tgt Ion:	112	Resp:	264161
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.5	41.9
77	60.2	46.7	70.1

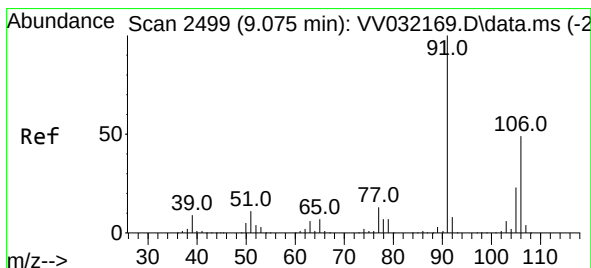
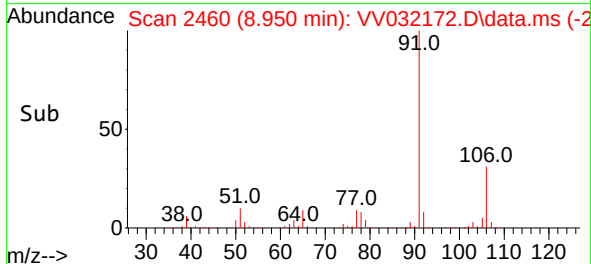
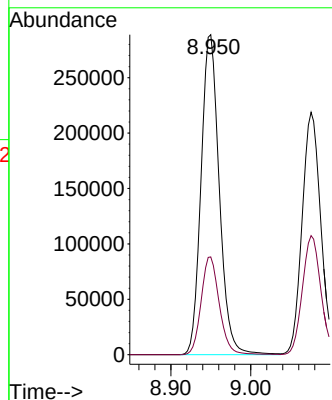
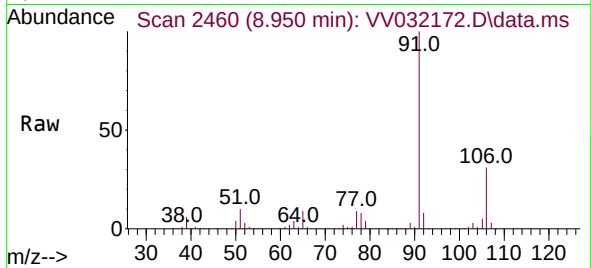




#52
Ethylbenzene
Concen: 51.037 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. -0.000 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

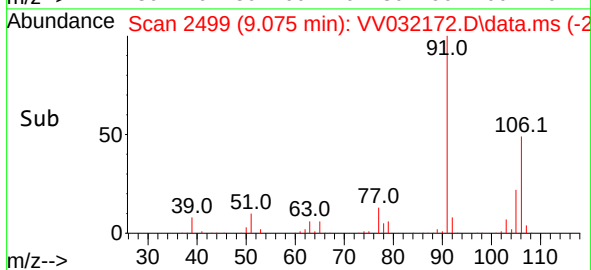
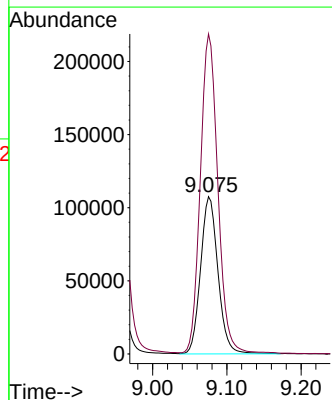
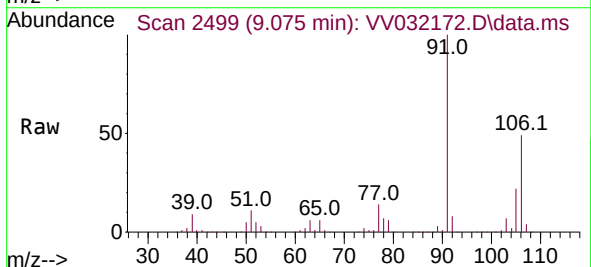
Instrument :
MSVOA_V
ClientSampleId :

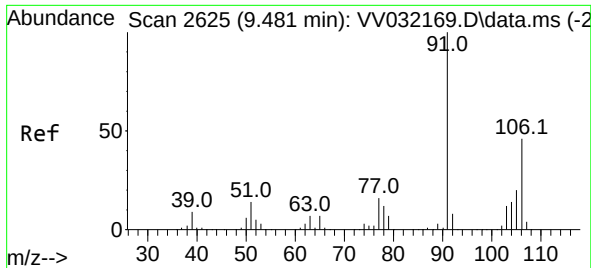
Tgt Ion: 91 Resp: 458716
Ion Ratio Lower Upper
91 100
106 30.6 20.9 38.7



#53
m,p-Xylene
Concen: 52.221 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

Tgt Ion: 106 Resp: 174873
Ion Ratio Lower Upper
106 100
91 203.5 143.8 267.0

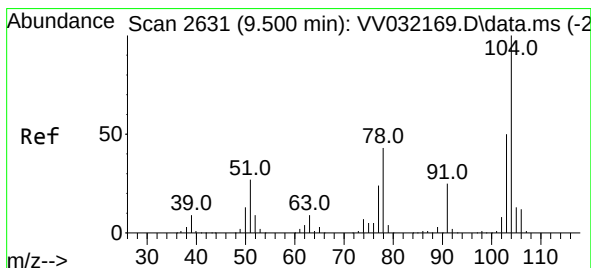
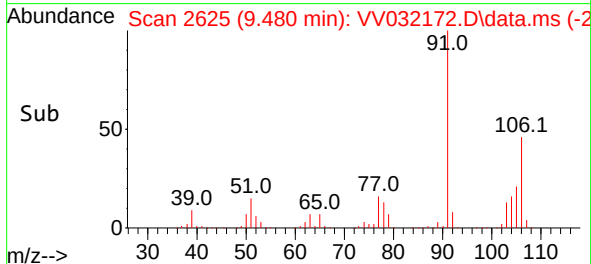
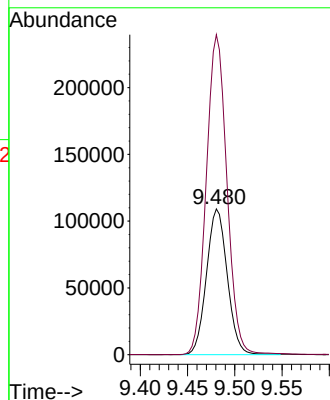
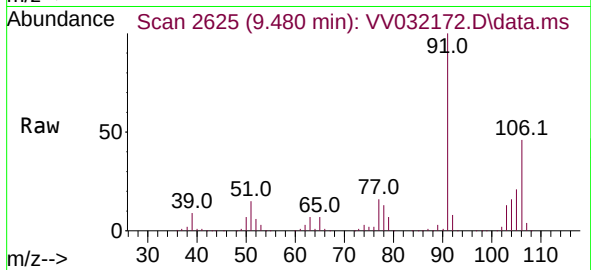




#54
o-Xylene
Concen: 50.679 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

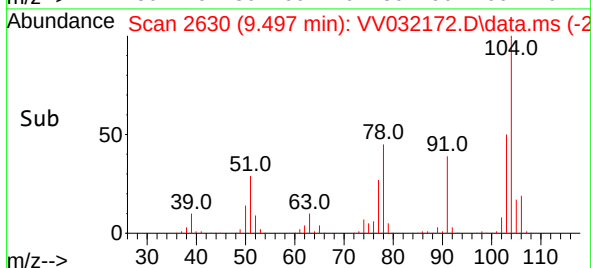
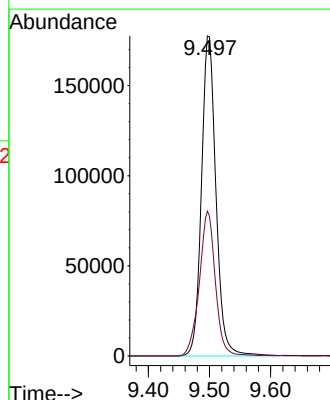
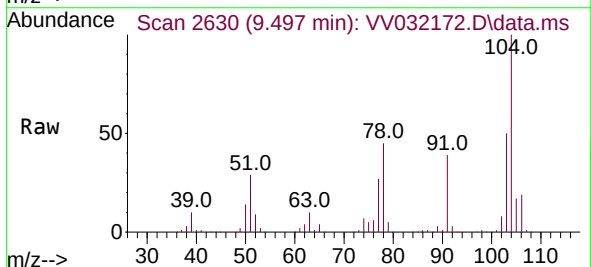
Instrument :
MSVOA_V
ClientSampleId :

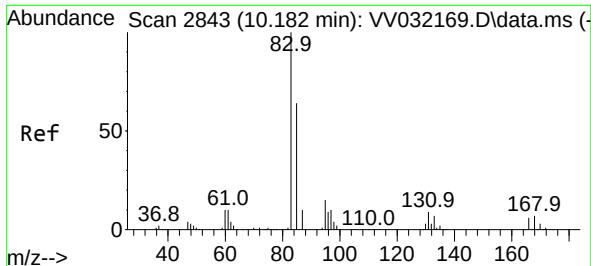
Tgt Ion:106 Resp: 167184
Ion Ratio Lower Upper
106 100
91 219.6 153.4 284.8



#55
Styrene
Concen: 52.074 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. -0.003 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

Tgt Ion:104 Resp: 293068
Ion Ratio Lower Upper
104 100
78 45.3 30.4 56.5





#57

1,1,2,2-Tetrachloroethane

Concen: 49.113 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

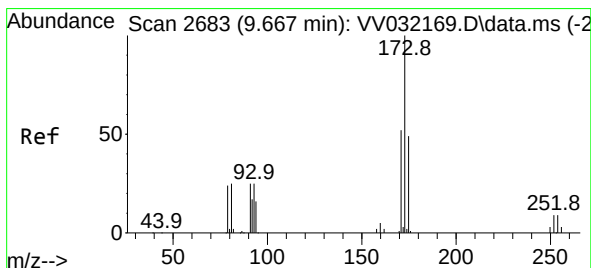
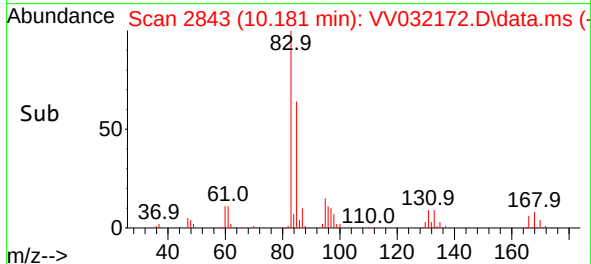
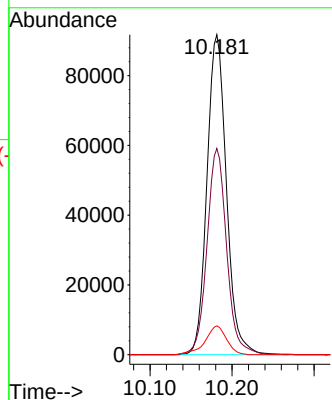
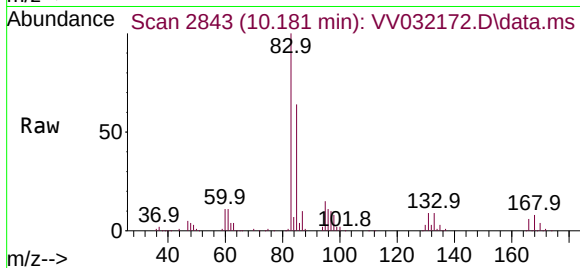
Tgt Ion: 83 Resp: 150957

Ion Ratio Lower Upper

83 100

85 64.5 44.7 82.9

131 9.0 7.4 11.0



#59

Bromoform

Concen: 49.878 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

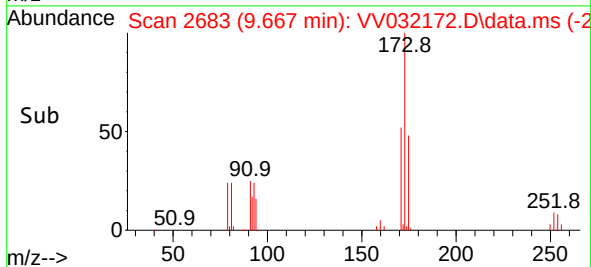
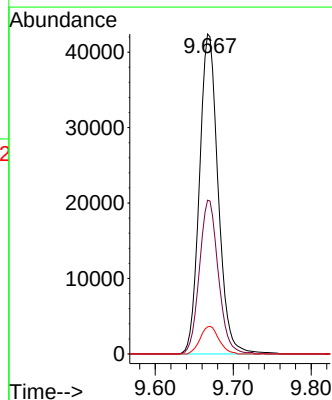
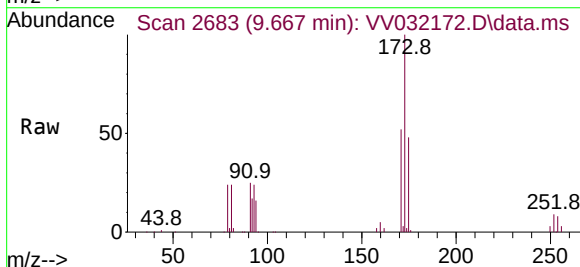
Tgt Ion: 173 Resp: 70589

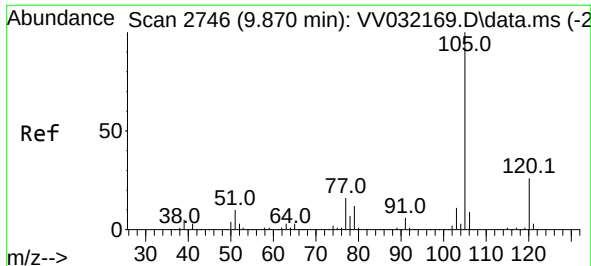
Ion Ratio Lower Upper

173 100

175 48.5 39.5 59.3

254 8.6 7.0 10.4

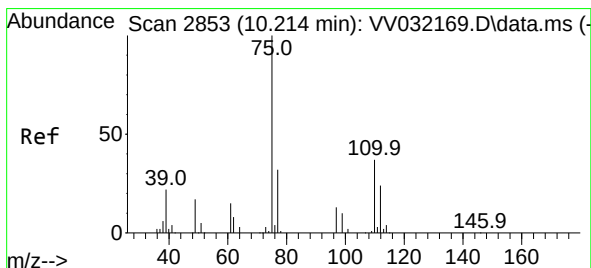
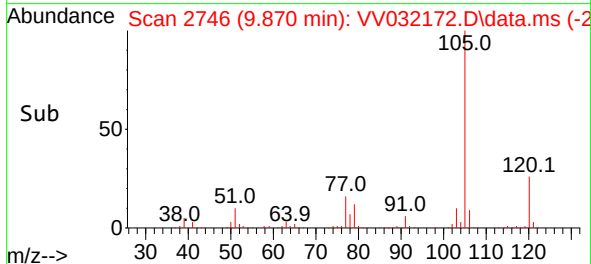
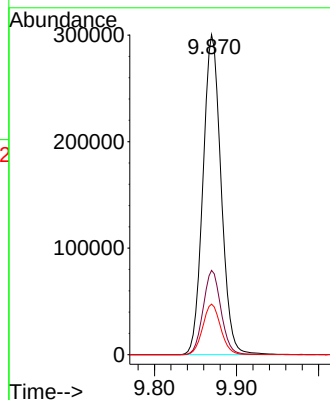
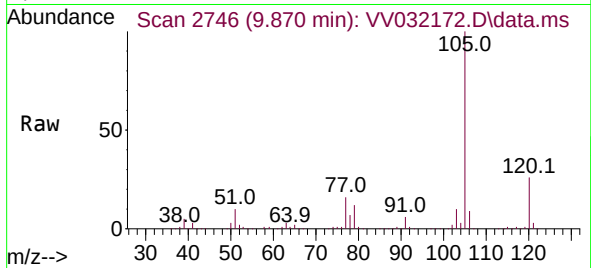




#60
Isopropylbenzene
Concen: 51.913 ug/L
RT: 9.870 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

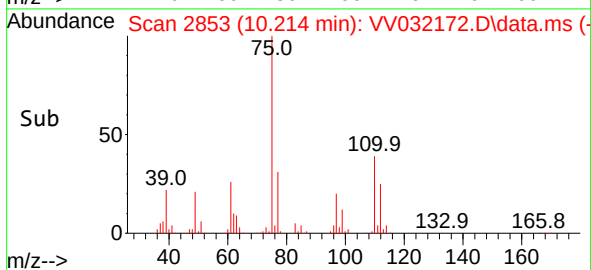
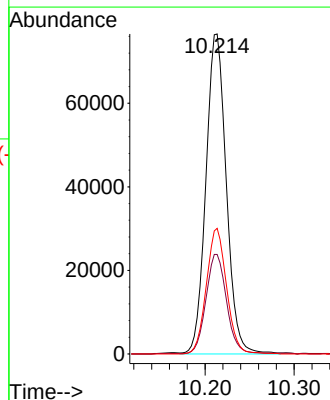
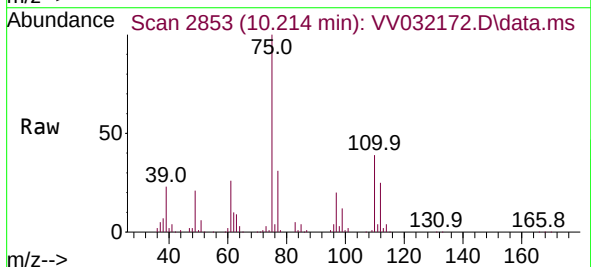
Instrument :
MSVOA_V
ClientSampleId :

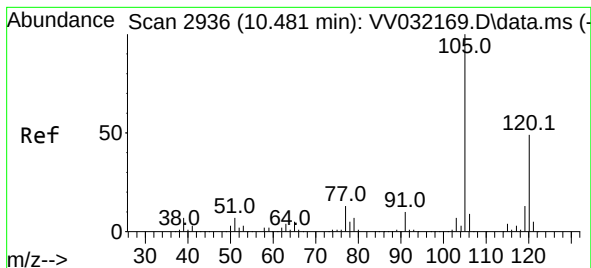
Tgt Ion:105 Resp: 460171
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.6
77 15.7 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 49.309 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

Tgt Ion: 75 Resp: 122078
Ion Ratio Lower Upper
75 100
77 31.0 26.1 39.1
110 38.8 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 52.034 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

Instrument :

MSVOA_V

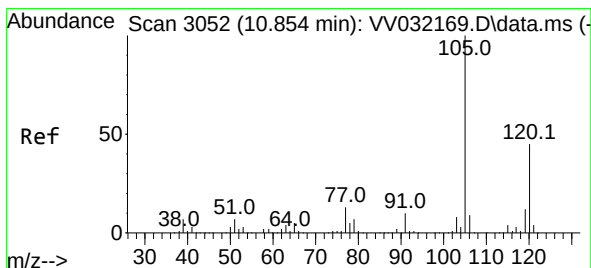
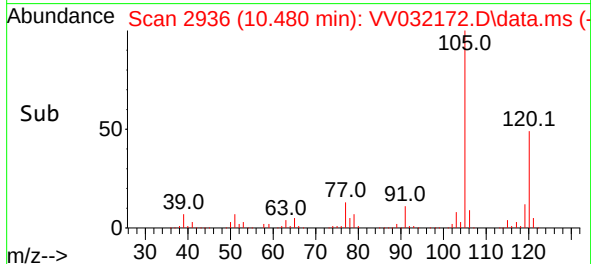
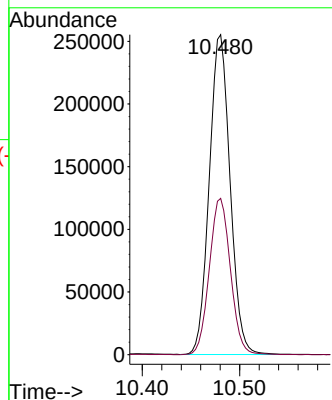
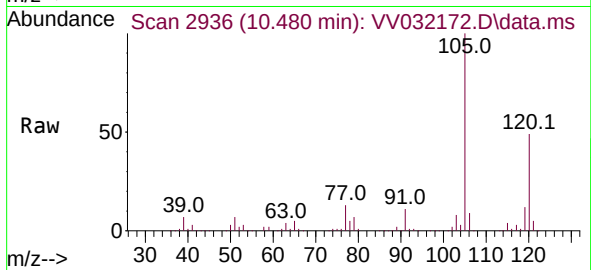
ClientSampleId :

Tgt Ion:105 Resp: 378958

Ion Ratio Lower Upper

105 100

120 49.6 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 52.083 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VV032172.D

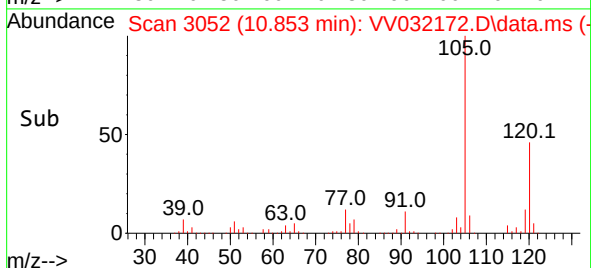
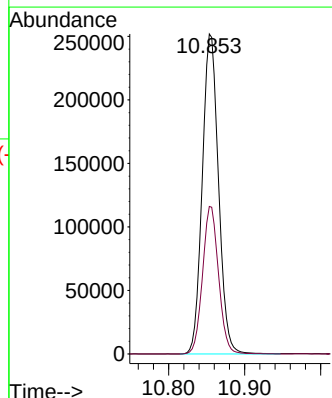
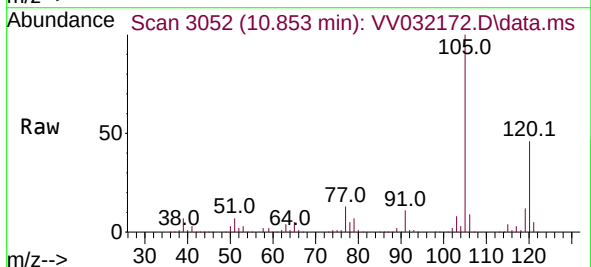
Acq: 25 Sep 2023 15:09

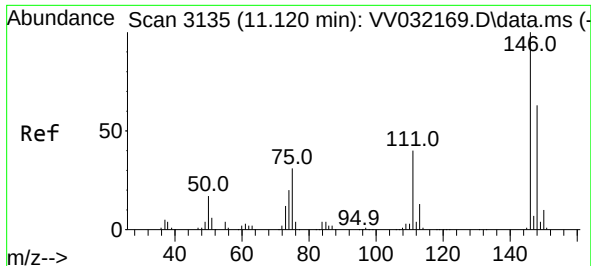
Tgt Ion:105 Resp: 373098

Ion Ratio Lower Upper

105 100

120 45.4 36.5 54.7

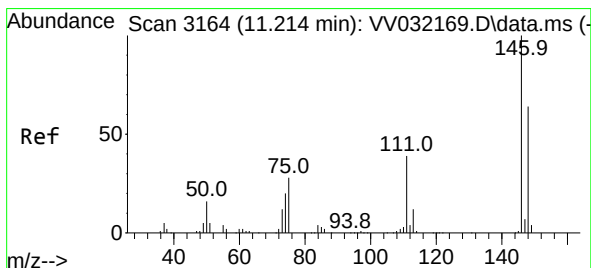
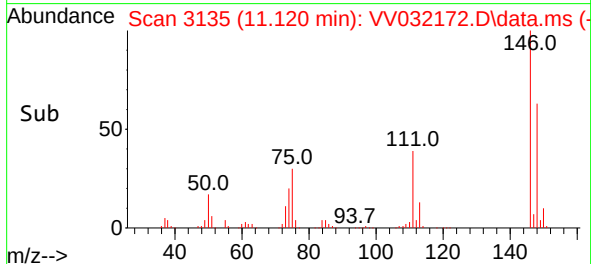
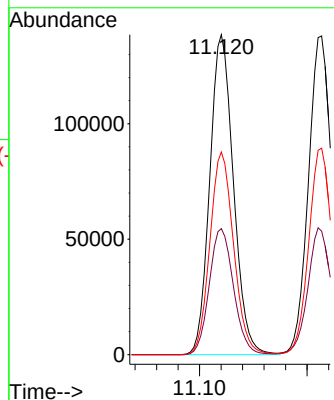
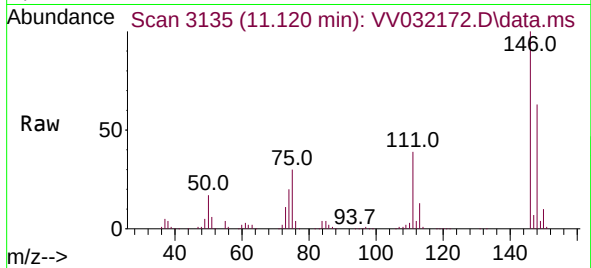




#64
1,3-Dichlorobenzene
Concen: 51.131 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

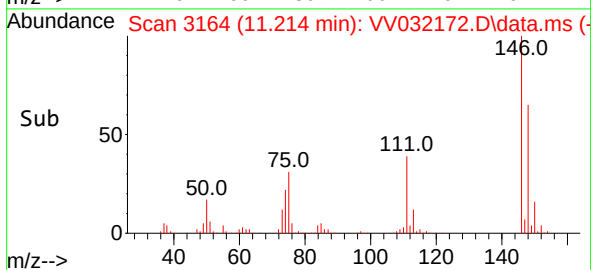
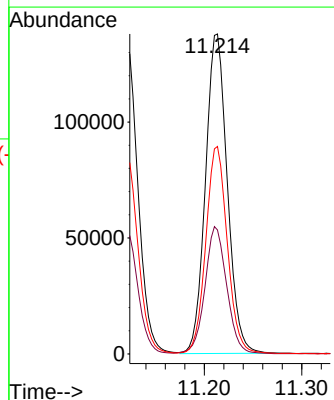
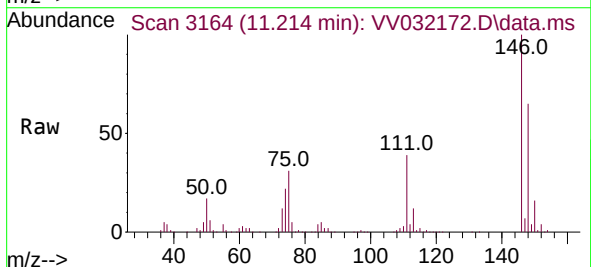
Instrument :
MSVOA_V
ClientSampleId :

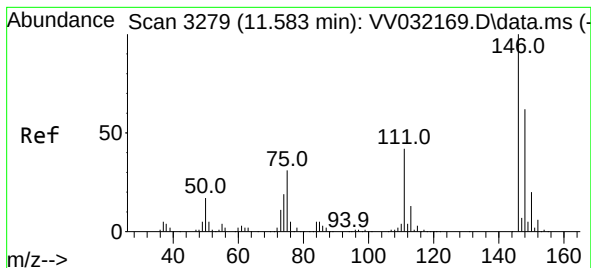
Tgt Ion:146 Resp: 211893
Ion Ratio Lower Upper
146 100
111 39.4 28.3 52.5
148 63.4 44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 51.145 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV032172.D
Acq: 25 Sep 2023 15:09

Tgt Ion:146 Resp: 214102
Ion Ratio Lower Upper
146 100
111 38.8 27.5 51.1
148 64.8 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 50.818 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

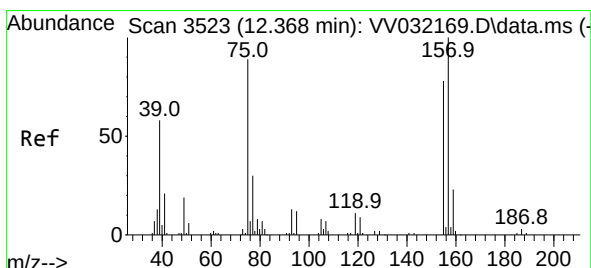
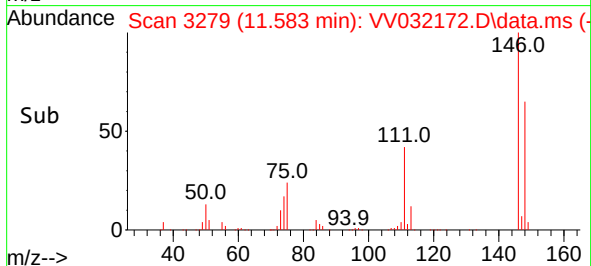
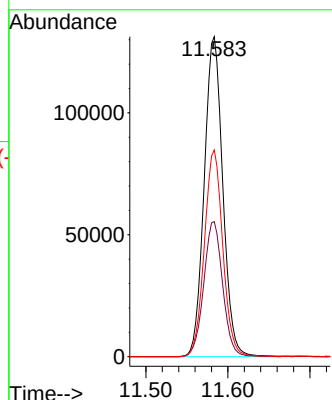
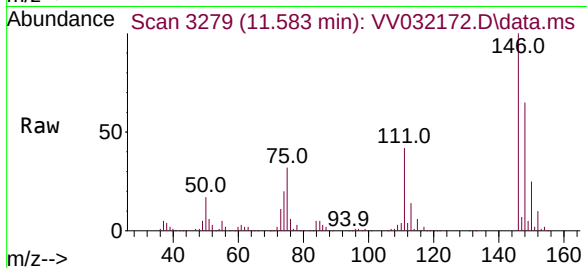
Tgt Ion:146 Resp: 207147

Ion Ratio Lower Upper

146 100

111 42.2 33.6 50.4

148 64.6 49.9 74.9



#68

1,2-Dibromo-3-chloropropane

Concen: 48.293 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

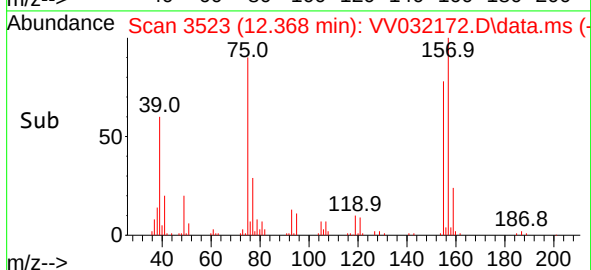
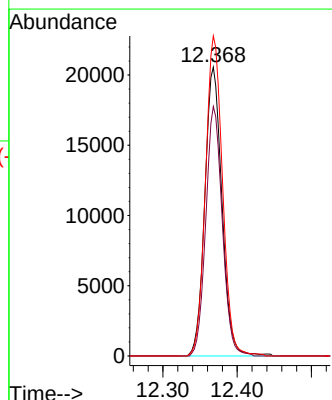
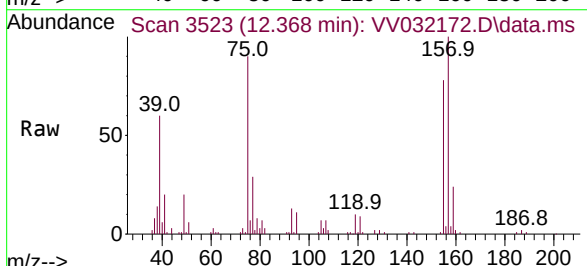
Tgt Ion: 75 Resp: 33012

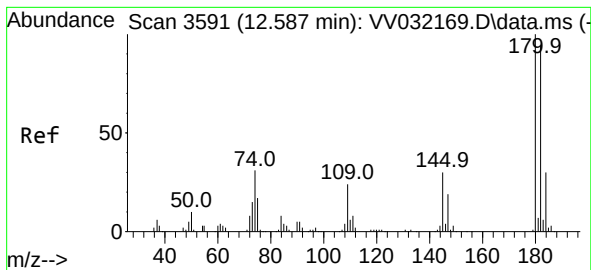
Ion Ratio Lower Upper

75 100

155 86.4 70.0 105.0

157 110.8 90.4 135.6





#69

1,3,5-Trichlorobenzene

Concen: 50.997 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. -0.000 min

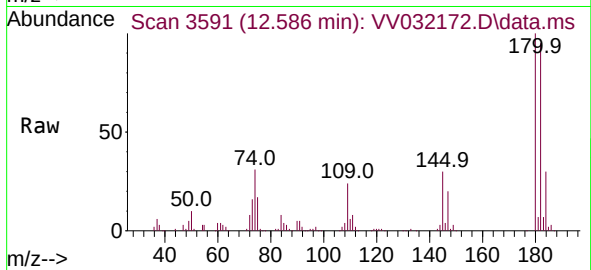
Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 153028

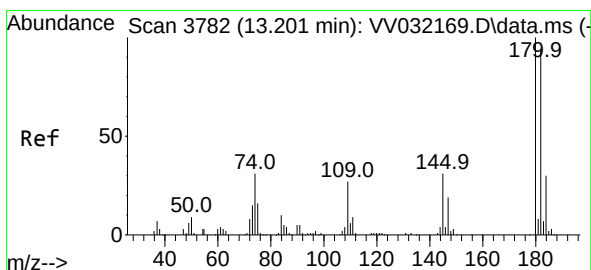
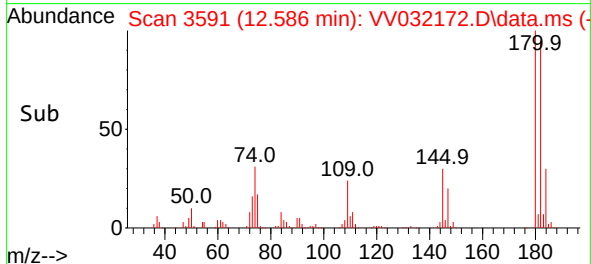
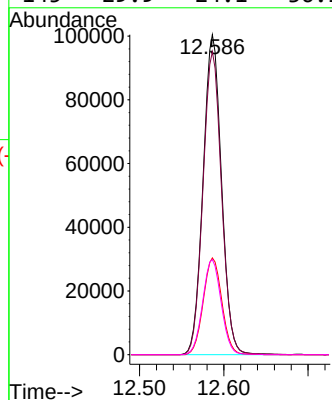
Ion Ratio Lower Upper

180 100

182 95.2 75.6 113.4

184 30.5 23.9 35.9

145 29.9 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 51.761 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

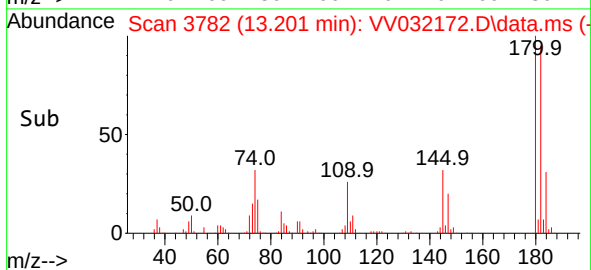
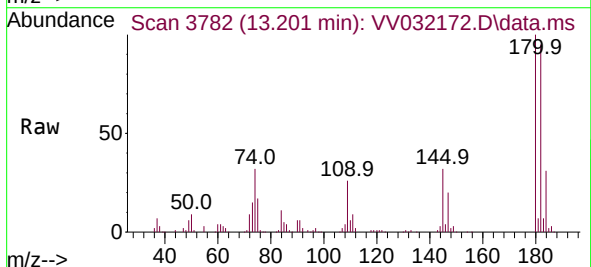
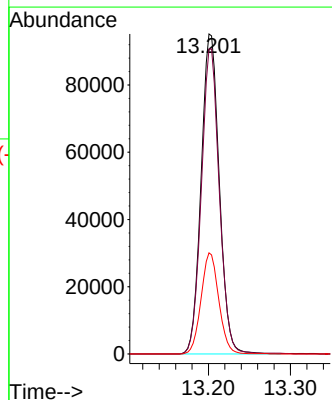
Tgt Ion:180 Resp: 146072

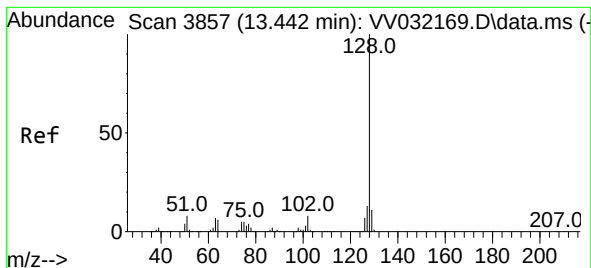
Ion Ratio Lower Upper

180 100

182 94.3 75.3 112.9

145 30.8 24.4 36.6





#71

Naphthalene

Concen: 48.873 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

Instrument :

MSVOA_V

ClientSampleId :

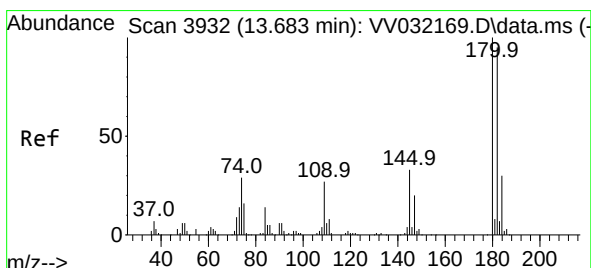
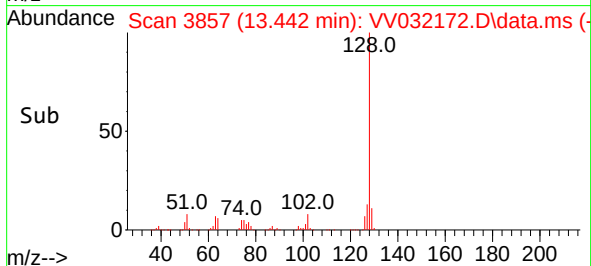
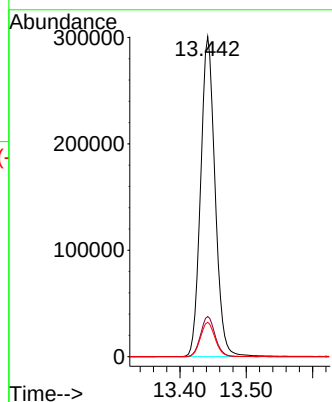
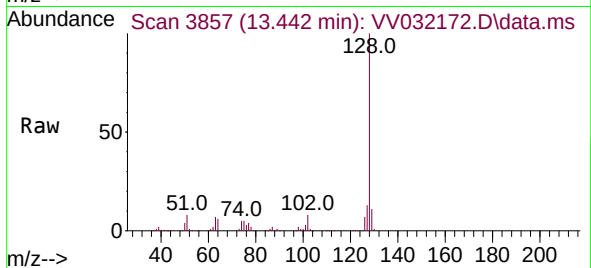
Tgt Ion:128 Resp: 454333

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 50.534 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV032172.D

Acq: 25 Sep 2023 15:09

Tgt Ion:180 Resp: 141692

Ion Ratio Lower Upper

180 100

182 96.4 75.2 112.8

145 33.2 25.8 38.8

